

The Campus

The University reserves the right to withdraw admission, prior to or following enrollment, if the student has falsified application materials or otherwise demonstrated ineligibility as

Office of Undergraduate Admissions recalculates the applicant's academic HSGPA using only acceptable academic units (RHSC) while excluding other high school courses such as physical

Redesigned Reading Test Score	No lower than 25
Redesigned Math Test Score	No lower than 490

direction as to how to pursue these alternatives and exceptions for admission. Refer to the Home Educated Students website for the current accepted freshman average test scores and for information regarding portfolio procedures and standardized test options.

Honors Opportunities and Dual Enrollment

Honors Opportunities

Honors Opportunities for First-Year Students

Incoming first-year students may join the University Honors Program if they have

- a high school GPA > 3.5
- a composite score of 1150 or better on the Critical Reading and Math sections of the Scholastic Aptitude Test (SAT) taken prior to March 2016, or 1220 on the SAT Total Score on the Redesigned SAT taken March 2016 or later. (The equivalent composite ACT score of 25 or higher, is also accepted.)

Dual Enrollment Honors Program (DEHP)

The admission deadline for DEHP is typically mid-January. For the current deadline, admissions instructions, and additional program information, visit <http://admissions.kennesaw.edu/apply/dehp.php> or contact the Office of Undergraduate Admissions.

Rising high school juniors and seniors who are at least fifteen years of age at the time of enrollment are eligible for the Dual Enrollment Honors Program if they earn

- a cumulative grade point average of 3.0 or better in their core academic course work (not electives) and are on track to complete the Required High School Curriculum AND
- a composite score of 1100 on the old SAT taken prior to March 2016, with minimum subparts of 530 critical reading and 530 math; or SAT Total Score of 1170 on a 1600 scale on the new/redesigned SAT (taken March 2016 or later) with minimums of SAT Reading Test Score of 29 and Math Section Score of 560, or an ACT composite score minimum of 24 with subpart minimums of 23 English and 22 math.

To be admitted to DEHP, students must submit an online application using a Move-On-When-Ready waiver, which they may obtain from the Office of Undergraduate Admissions after submitting their Move-On-When-Ready Student Participation Agreement Form; their official SAT or ACT score report, sent directly from the testing agency; and their high school transcript or homeschool portfolio. Prior to registration, accepted students are required to attend a mandatory KSU advising session and a summer orientation program specifically for

IB, DANTES and AP credits do not count toward the KSU residency requirement or grade point average.

Students demonstrating satisfactory evidence of acquired knowledge from prior learning may receive course credit and hours by a departmental examination for advanced standing. Requests for institutional advanced standing examinations should be initiated with the academic department chair responsible for the course in question and must be approved by the Registrar.

Admission from Other Colleges

Transfer applicants for admission are students who have earned college credit elsewhere at regionally accredited collegiate institutions, and wish to transfer to KSU in order to continue their collegiate studies.

KSU's Office of the Registrar conducts transfer evaluations and accepts transfer credit only from such accredited institutions, only in courses comparable to KSU courses or in subject fields appropriate for KSU degrees, only when the grades earned are sufficient for the transfer courses to meet KSU degree requirements, and only when the GPA for all acceptable transfer courses is 2.0 or higher.

Transfer students must make arrangements with each college previously attended, whether credit was completed or not, to have a complete official transcript forwarded to the Office of Undergraduate Admissions at Kennesaw State University.

Official transcripts are required, regardless of the applicant's wishes concerning transfer credit

- High school transcripts are not required for applicants with 30 or more earned semester hours of acceptable transfer credit. (However, all college and university transcripts are required)
- SAT or ACT scores are not required for applicants with 30 or more earned semester hours of acceptable transfer credit

Transfer Freshman Admission Standards

Applicants with fewer than 30 semester hours of acceptable transfer credit must meet the same admission requirements as recent high school graduates attending college for the first time. Also, an official transcript from each college previously attended indicates transcript receipt

Applicants eligible for review in this category are exempt from the SAT/ACT and Required High School Curriculum requirements. However, nontraditional students applying in this category will be required to take the COMPASS examination. Minimum scores are required for admission.

- Sworn affidavit of support from the applicant's financial sponsor
- A letter from the sponsor's bank showing that funds (in U.S. dollar

Non-Degree Students

This non-degree category exists for those eligible students who have previously earned a baccalaureate degree from a regionally accredited institution and who wish to enroll in undergraduate courses for personal or professional reasons. Students applying for non-degree

Students Sixty-two Years of Age or Older

Citizens of the State of Georgia who are 62 years of age or older may attend Kennesaw State University without payment of fees (with the exception of supplies, laboratory fees, special

Students who wish to participate in the Academic Fresh Start program must

Appeals

Applicants who do not meet freshman admi

Military Transfer Credit Policy

Military Transfer Credit may be awarded for undergraduate students accepted to Kennesaw State University Fall 2012 or later who have served in the U.S. Military and who desire to have their military experience considered for transfer credit. Students may have the option of accepting or declining up to 12 semester hours of undergraduate elective transfer credits toward a degree program, if applicable.

Students must request their official JST transcripts be sent directly from JST to the Office of the Registrar, Graduation Audit and Transfer Evaluation Services (G.A.T.E.S.).

Kennesaw State University limits academic residency for active-duty service members (including Reservists and National Guardsmen) to no more than twenty-five percent of the degree requirements for all undergraduate degrees. Active-duty service members can satisfy academic residency requirements at any time during their program of study, specifically avoiding any final year or final semester residency requirement, subject to stated requirements in specific course areas such as majors.

Kennesaw State University is a designated member of the "Servicemembers Opportunity Colleges Consortium" (SOC). As a member of the SOC Consortium, Kennesaw State

Departmental Course Examination for Advanced Standing

Academic Departments do on occasion offer course examinations for credit to students who offer satisfactory evidence. A list of available exam options may be found on the Prior Learning Assessment website under Exam Options for Credit at <http://pla.kennesaw.edu>. These exam options vary by course and by department. Requirements to sit for the exam are determined by the academic home department and described on the Prior Learning Assessment (PLA) website under information for Current and Future Students, Departmental Plans at <http://pla.kennesaw.edu>.

If the required score for the examination is met, students will receive the credit equated with the course. These credit hours will not be included in the calculation of the grade point average.

Requests for departmental course examinations should be initiated through Owl Express.

College Level Examination Program (CLEP) for Advanced Standing

Students are eligible to take standardized examinations in a number of areas to earn credit for certain specific courses, provided a minimum score is attained on the tests. Credit earned will

evaluation has been completed, refer to DegreeWorks in Owl Express to determine how transfer credit is applied to a particular program of study.

Transferring Core Credits to Another USG Institution

Students transferring from KSU to another USG institution may take advantage of the following policy by completing the General Education Program. Students successfully completing a course in one institution's Areas A-E will receive full credit in Areas A-E for the course upon transfer to another USG institution as long as the following conditions are met:

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(Provided that native and transfer students are treated equally, institutions may impose additional reasonable expectations, such as a grade of "C" in Area A-F courses)

Transfer policy for all students

Transfer credit will be awarded for course work with a minimum grade of "D" except for ENGL 1101 & ENGL 1102, which require a minimum grade of "C." Additionally, unless noted in the catalog, a minimum grade of "C" is required for major-related courses and/or prerequisites to major courses.

Credit Evaluator

Core Courses

Transfer credit evaluations of the core curriculum are determined by the Registrar transfer evaluation staff in collaboration with academic departments. Transfer credit evaluations must adhere to USG transfer policies, reciprocity agreements, and other approved articulation agreements.

Major related courses

Transfer credit evaluations for the major-related coursework are determined in collaboration with academic departments.

Tuition, Expenses, & Financial Aid

Tuition and Fee Payment

A waiver of the health insurance fee may be applied for directly with the insurer. For insurance plan and waiver information, go to: <http://finance.kennesaw.edu/bursar/healthinsurance.php>. This plan is optional for all other students.

Expenses and Fees

Additional Lab, Specialized Course Fees: These fees are charged where applicable.

Applied Music Fee: The registration fee for one 50-minute private lesson per week is \$150

Penalty Fee For Returned Check: A penalty fee of \$25 will be assessed for each check returned by the bank.

Withdrawal/Refund of Student Fees

To withdraw from one or more classes, students must withdraw online through Owl Express.

Individuals who enter the institution as out-of-state students but who wish to later qualify as legal residents must fill out a Petition to Change Tuition Classification form, which can be obtained on-line at kennesaw.edu/enrollmentservices/lawfulpresence.html or by contacting the Residency Officer for Kennesaw State University at 470-578-3536. A student's tuition classification is not changed automatically, and the burden of proof that the student qualifies as a legal resident under the regulations of the Board of Regents of the University System of Georgia rests with the student. A student is responsible for registering under the proper tuition classification. A student classified as out-of-state who believes that he or she is entitled to be reclassified as a legal resident may petition the Residency Committee for a change in status. The petition must be filed no later than 60 days after the semester begins in order for the student to be considered for reclassification for that semester. If the petition is granted, reclassification will not be retroactive to prior semesters.

If there is any question in the mind of the student concerning his/her tuition classification status, application for clarification should be made immediately or not later than two weeks prior to the registration date in order to avoid delay and inconvenience of registration.

Applications should be addressed to Kennesaw State University Attn: Residency Committee, 1000 Chastain Road, Mailbox #9110, Kennesaw, Georgia 30144

Board of Regents Policies Governing the Classification of Students for Tuition Purposes and Out-of-State Tuition

USB BOR policy on classification of students for tuition purposes and out-of-state tuition waivers may be found in the BOR Policy Manual section 4.3.2 and 7.3.4.1 at usg.edu/policymanual.

Financial Aid

Kennesaw State University is committed to ensuring that a post-secondary education is accessible to qualified students. In order to accomplish this commitment, the Office of Student Financial Aid subscribes to the following goals to assist students in paying for their educational investment:

- Evaluate the family's financial ability to pay for educational costs;
- Distribute limited resources in an equitable manner; and
- Provide a balance of gift aid and self-help aid.

A wide variety of financial aid programs from scholarships, grants, employment, and loans are available to help students with educational costs. Most awards are based on financial need while some are awarded in recognition of merit or achievement. Financial Aid is awarded based on full-time enrollment status (12 hours). Financial Aid packages for students enrolled less than full-time may require adjustment. Eligibility for awards varies with enrollment status.

For more information, visit the Financial Aid Office, view the website at financialaid.kennesaw.edu, or call the automated telephone system at: (470) 578-6074; fax at (470) 578-9096; email at finaid@kennesaw.edu or write to:

Office of Student Financial Aid
Kennesaw State University
585 Cobb Avenue, NW MD #0119
Kennesaw GA 30144-5591

Determination of Need-Based Awards

Awards based on need are determined by a process called financial need analysis. The analysis is standardized by the U. S. Department of Education (USDE) using a financial formula called Federal Methodology. The Free Application for Federal Student Aid (FAFSA) is the application that is required to begin this process. The electronic FAFSA is the easiest and quickest way to apply. The processing time for USDE is approximately four days. The electronic FAFSA may be accessed on our web site at financialaid.kennesaw.edu or www.fafsa.gov. Prior to completing the electronic FAFSA, students and parents of dependent students should obtain a PIN at pin.ed.gov.

When completing the electronic FAFSA for KSU attendance, use the Federal Title IV Code of 001577. KSU will receive your FAFSA information electronically. Students must reapply annually to qualify each academic year.

Need-Based Award Application Procedures

Need-based awards include grants, employment, loans, and some scholarships. It is advisable to complete the FAFSA early. The FAFSA is available on January 1 for the award year that starts each fall semester. The priority date for receipt of the FAFSA at KSU is April 1 of each year. FAFSAs received by the priority date with all requested documents submitted by the student and reviewed by the Financial Aid Office will be awarded first. New applicants must also apply for admissions through the Office of Admissions for a degree program.

When the FAFSA is analyzed by the U. S. Department of Education, the result is called the Expected Family Contribution (EFC). The EFC is the amount that the family should be able to contribute to the student's cost of attendance (COA). COA is the amount of direct cost (e.g., tuition, fees, room, board, and books) and indirect cost (e.g., transportation and personal expenses). Need-based financial aid is awarded to help the student with need (i.e., COA minus EFC).

Federal Pell Grant

This is a federally funded program that provides need-based grants to undergraduate students without a previous bachelor's degree. The application is the Free Application for Federal

This is a federally funded and need-based student loan that is administered by Kennesaw State University. The federal government pays the interest while the student is in school. Students may apply for this loan by completing the Free Application for Federal Student Aid (FAFSA). Awards are generally made on a first-come first-

This loan is available to dependent students up to \$2,000 per year (above the amount of eligibility for the Subsidized Stafford Loan). This loan is also available to independent students who choose to borrow above their Subsidized Stafford eligibility or for dependent students who are not eligible for a Subsidized Stafford Loan. Students borrowing through the Unsubsidized Stafford Loan Program are responsible for the interest on the loan.

The current rate of interest is fixed at 4.66% for undergraduate students and 6.21% for graduate students. The origination fee for Stafford Loans is 1.073% if disbursed prior to October 1, 2015. Funds are disbursed to the student through the university in two installments. The amount o

students in Georgia, and to expand educational opportunities beyond high school to all Georgians.

Qualifications for the HOPE Scholarship

To be eligible for the HOPE Scholarship, you must meet the following requirements:

- Must complete an application - GSFAPPS or FAFSA;
- Must have at least a 3.0 HOPE GPA, which includes all college level coursework attempted since high school and from any institution attended;
- Must have attempted less than 127 hours;
- Must have not reached their HOPE Expiration Date; and
- Must be a final HOPE Scholar if less than 30 attempted hours.

HOPE Scholars

- Must complete an application - GSFAPPS or FAFSA;
- Must be confirmed as a Zell Miller Scholar by GSFC;

What happens when you do not meet the requirements?

- You are no longer eligible for financial aid - including work study, loans, grants or scholarships. If you're on a Warning Status - eligibility may continue (note below).
- Because you do not qualify for financial aid, you must pay your tuition and fees by the payment deadline or your registration will be cancelled by the Bursar's Office.

Maximum Time Frame (maximum attempted credit hours) - When you have attempted the maximum credit hours, you are no longer eligible to receive financial aid.

Is there extended eligibility for a 2nd bachelor's degree? - Yes. You may attempt a total of 150% of the hours needed to complete your first degree plus 60 additional hours. The standard is $123 \times 150\% = 185 + 60 = 245$ attempted hours.

Is there extended eligibility for a 2nd master's/graduate degree? - Yes. You may attempt a total of 150% of the hours needed to complete each degree.

Low Completion Ratio - There are two statuses for low completion ratio before your eligibility for financial aid is cancelled. Probation status is only allowed for one term.

- Warning Status - The first time you fall short of meeting the required completion ratio, your status is Warning. You remain eligible to receive financial aid while in warning status. If placed on "No Progress" status (note "No Progress" subheading), the student does not receive a Warning Status but goes to Failure Status immediately (note below).
- Failure Status - After attending one semester on Warning status, if you do not meet the required completion ratio, your status becomes Failure Status. You are no longer eligible to receive financial aid until the required standards are met. You must successfully appeal to regain eligibility.
- Probation Status - After being placed on a Failure Status, AND a student has successfully appealed and financial aid has been reinstated, the student is eligible to receive financial aid. This status is only for one term and quite often will carry conditions and/or stipulations for continued eligibility.

How do you regain eligibility?

- SAP Appeal - If extenuating circumstances during a specific term of enrollment prevented you from meeting the requirements, you may file a SAP Appeal.

Appeal Requirements:

- A typewritten explanation of extenuating circumstances associated with Failure Status. Indicate how these circumstances have changed so that you can comply with regulations in the future. Attach supporting documents to corroborate extenuating circumstances mentioned in the letter.

- Dismissal and Return - students who are suspended academically or choose not to attend because of SAP Failure will not be automatically eligible for financial aid upon their return. Student must meet both qualitative and quantitative standards of SAP. If below standards, a student must appeal or use means other than financial aid for educational expenses. Absence does not restore eligibility for financial aid. It remains the responsibility of the student to be knowledgeable of their SAP standard when returning to school after dismissal or choosing not to return because of SAP Failure.

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applied for on-line at www.gibill.va.gov. Students in training under the G.I. Vocational Rehabilitation program should check with the University Business Services Office regarding the handling of their account for fees, supplies, etc.

Students attending on the G.I. Bill are certified for VA benefits only for those courses required in their particular programs of study. Courses taken for audit are not payable by the VA. Such students must maintain Kennesaw State University standards for academic performance. Those students who are academically dismissed from school will have their benefits interrupted. Upon readmission and re-certification for benefits at Kennesaw State University, the VA will decide if further benefits may be paid for continuation of the program in which the academic deficiency occurred.

KSU's Vice President for Operations and Chief
Information Officer/Chief Business Officer

During the fall and spring semesters, the Sturgis Library is open 95 hours each week, with extended hours during exams. Johnson Library is open 80 hours weekly with extended hours during exams. Both libraries are open seven days a week. Mac and PC computers are available in the Information Commons on the first floor of the Sturgis Library. Laptops may be checked out by students for library use and are available at both the Sturgis and Johnson locations.

Both individual and group study spaces are available at both libraries. In January 2016, the Sturgis Library reopened the newly renovated OwlSpace on the first floor. This space is a "noisy" community space where students are free to collaborate and work on group projects. OwlSpace also includes multiple presentation rooms, wireless service, a state of the art data wall, and vending machines. The Graduate Library, located on the third floor, offers a quieter study area containing 144 cubicles as well as seven glassed-in study rooms for quiet group study, a room for graduate research assistance, and a room for making copies and viewing microfilm.

The Sturgis Library houses a partial Federal Government Documents Depository for the Sixth Congressional District. Sturgis Library also supports the Performing Arts Library (located in the Wilson Building), the Teacher Resource and Activity Center or TRAC (located in the Bagwell College of Education), and the Paulding Campus of the Georgia Highlands College Library. For more information about the libraries visit our webpage, library.kennesaw.edu.

University Information Technology Services (UITS)

University Information Technology Services (UITS) provides KSU with the technical resources for students to carry out scholarship, academic collaboration, research, and innovation. Students can expect the state of the art technology they require for learning management, course registration and research as well as instructional classrooms and voice/data solutions to help them prepare for future careers.

Students are given a KSU email account, personal web space, and web-based file storage.

Students are also eligible to participate in online and face-to-face training sessions for commonly used software, multimedia development, production assistance and information security. Student software applications are accessed via a single sign-on authentication with one login ID and one password. Student help desks with extended hours and walk-up services are available at the Kennesaw and Marietta campuses to answer any questions and provide technology advice. Wireless access is available on all campuses and continues to expand as the University grows.

UITS maintains both traditional computer labs with printing and copying services as well as Virtual Labs that allow students to use productivity software at home on their own devices. Equipment checkout options are available for students with audiovisual technology needs including data projection systems, video playback, video recorders, audio players/recorders,

public address systems, and microphones through the AV Circulation desks at the Kennesaw and Marietta campuses. Assistance with graphics creation, multimedia file conversion, audio/video duplication, video editing/compression and desktop publishing is available in our multimedia lab.

The rules for use of all campus technology and telecommunications equipment, including telephones, computers and fax equipment, are found on the KSU web site at policy.kennesaw.edu/policy/information-technology. Use of any of these facilities or services implies an understanding of and compliance with these policies.

Visit uits.kennesaw.edu to learn more about the technology services available for students and to find contact information and operation hours for the KSU Service Desk.

KSU Archives and the Office of Records Management

The mission of the Department of Museums, Archives & Rare Books (MARB) at Kennesaw State University is to provide stewardship for and access to KSU's collections that meets the highest professional standards. MARB is comprised of five units, two of which focus on documents and records management.

The KSU Archives preserves the historical memory of both campuses of Kennesaw State University and the broader community by identifying, collecting, and making accessible records of enduring value. The Archives provides reference services, reproduction requests, and project consultations, as well as advice on the preservation and maintenance of paper, audio-visual, and electronic materials. Holdings include university records, oral histories, and the collections of organizations, businesses, and individuals active in Northwest Georgia. The website address for Archives is archives.kennesaw.edu.

The Records and Information Management (RIM) program aims to provide clear direction for establishing auditable methods of capturing, classifying, storing, retrieving, retaining and disposing of records and information. Through the implementation of policies, procedures, and best practices, The Office of Records and Information Management offers a variety of services to the Kennesaw and Marietta campuses in order to comply with the Board of Regents' records retention policy and guidelines, and to meet the legal, fiscal, and administrative needs of the University. The website address for Records Management is records.kennesaw.edu.

Enterprise Information Management and Institutional Research (EIM/IR)

The Office of Enterprise Information Management and Institutional Research (EIM & IR) provides a broad range of services to faculty, staff, students, and administrative offices both internally and externally. EIM & IR facilitates the continuous improvement of KSU's enterprise-wide data management, data quality, and data warehousing efforts as well as meets institutional

requirements. In cases where courses are deleted, students must substitute courses deemed acceptable by the faculty or chair responsible for the degree program in question.

Directory Information

The items listed below are designated as "Directory Information" at Kennesaw State University and may be released for any purpose at the discretion of Kennesaw State University.

- student's name
- major field of study
- dates of attendance
- degrees awarded
- participation in officially recognized activities or sports
- weight and height of athletic participants

Directory information will be withheld if requested by the student. To withhold directory information, the student must

Official grade reports are available on the web through Owl Express. All grades reflected are those submitted by the faculty members at the time of posting. Grade reports, in addition to the official grades for that semester, contain a semester grade point average, an institutional (previously adjusted GPA) grade point average when required, and a cumulative (Regents) grade point average. For graduate students, a semester GPA and a cumulative (Regents) GPA are issued

Grading System

Issuance of grades and formulation of individual attendance policies are the prerogative of the instructor. Faculty must provide feedback to students about their progress prior to the last published day to withdraw without academic penalty. Grades are expected to conform to those listed below. Any deviations must be approved by the Faculty Senate and the Office of the Registrar.

The following are the final grades included in the determination of the scholastic grade point average:

Final Grades	Quality Points per Credit Hour *
A Excellent	4.00
B th(B) 08 0.24 /TT2 1 T 13.6799	

If the course requirements are not completed within the specified time limits, then the "I" will be changed to an "F" (for a course which awards letter grades of "A", "B", "C", "D", or "F") and the cumulative and adjusted grade point average will be recalculated accordingly or the "I" will be changed to a "U" (for a pass/fail course which awards a grade of "S" or "U"). An "I" cannot be removed by reenrolling in the course.

IP - indicates "in progress" in a learning support course or where credit has not been given in a course that requires a continuation of work beyond the term for which the student signed up for the course (such as thesis). This symbol cannot be substituted for an Incomplete Grade.

K - indicates credit awarded for credit by examination including, but not limited to the following:

- Advanced Placement (AP)
- College Level Examination Program (CLEP)
- International Baccalaureate (IB)
- DANTES (Subject Standardized Tests (DSST)
- Departmental Course Exams for Advanced Standing
- Prior Learning Assessment (portfolio review)

NR - indicates no grade was reported.

NA - Never Attended (for attendance verification). The grade will be changed to the appropriate withdrawal grade.

S - indicates satisfactory completion of a credit course and is not included in the calculation of the grade point average. The use of this grade is approved for thesis hours, student teaching, clinical practicum, and internship. It also indicates unsatisfactory completion of certain credit laboratory-type courses.

U - indicates unsatisfactory completion of a credit course and is not included in the calculation of the grade point average. The use of this grade is approved for thesis hours, student teaching, clinical practicum, and internship. It also indicates unsatisfactory completion of certain credit laboratory-type courses.

V - indicates the student was given permission to audit the course. It is not included in the calculation of the grade point average. Students may not transfer from audit to credit status or vice versa. The use of this grade is approved for cooperative (COOP) courses.

W - indicates the student was permitted to withdraw from the course without academic penalty. A course in which a grade of "W" has been assigned will not be included in the calculation of the student's grade point average.

WF - indicates the student was permitted to withdraw from a course with the approval of the registrar after the withdrawal date listed in the Semester Schedule of Classes. The grade of "WF" is counted as an F in the calculation of the student's grade point average.

WM - indicates withdrawal for Military Reasons (permitted under Board of Regents policy for military service refunds)

Directed Study

The following institutional regulations apply to directed study. Additional departmental requirements may exist.

General restrictions:

Kennesaw State University is committed to treating students fairly in the grading process. Students may appeal a final grade that they receive in a course, but interim grades or grades on specific assignments are not appealable. Any such appeal must be based on an allegation that the faculty member has violated his/her stated grading policy or/and that the grade was a result of discrimination or retaliation. The student has the burden of proving these allegations. All formal appeals under these procedures will be based only on the written record.

- Informal: Students are encouraged to discuss concerns and disputes over final course grades with the faculty member, prior to filing a formal grade appeal, in an effort to understand the basis of his/her grade. Faculty are encouraged to be available to students for such discussion regarding grades so that if possible, grade disputes can be resolved informally.
- Formal: In situations where such informal resolution does not occur or is not successful, the student may appeal the final course grade to the Department Chair. The appeal must be in writing and describe the precise basis for the appeal. Any pertinent information must be submitted with

- He/she fails to remove himself/herself from academic probation after completing three consecutive semesters of attendance.

Academic Renewal

Undergraduate students who have been readmitted after a period of absence of three calendar years or longer are eligible for academic renewal. The institutional GPA may be restarted by petitioning the Office of the Registrar for an academic renewal (previously academic fresh start). This provision allows degree-seeking students who earlier experienced academic difficulty to make a fresh start and have one final opportunity to earn a degree.

The institutional GPA (previously adjusted GPA) will be used to determine academic standing (probation or dismissal) and eligibility for program admission. The institutional GPA will also be used to determine eligibility for graduation and eligibility for honors, but with some restrictions. To graduate, students must have at least a 2.00 institutional GPA and at least 30 earned hours of credit for KSU course work not excluded because of repeated courses or "academic

University's facilities do not necessarily reflect the position of Kennesaw State University. Kennesaw State University affirms its commitment to the freedom of speech, assembly and expression even though the language or ideas of those seeking a venue for free expression may contradict university ideals or the personal views of university employees and students. The institution expects members of the faculty, staff, student body and community to refrain from and discourage behaviors that threaten the rights, freedoms and respect every individual deserves.

Scope - This policy applies to visitors to campus, not Kennesaw State faculty, staff, students or student organizations. This policy shall apply to all non-commercial speech on the Kennesaw State University campus and other KSU facilities. (Commercial speech is regulated by the campus solicitation policies.) Any visiting person or group who desires to use the designated campus area for an assembly or expression event must submit this completed request form at least five business days in advance of the event. Request forms are only available online. This form must be authorized by the Director of the Department of Student Involvement or his/her designee and approved by the Vice President for Student Affairs.

Upon approval of a request, applicants must agree to the following guidelines and provisions:

- These activities may be conducted on Mondays, Thursdays and/or Fridays from 10am to 11:30am. Consecutive day reservations are not permitted. The first full week of classes and Final Exam Week of each semester are closed to public performances, dances, concerts and similar extracurricular activities such as these assemblies. For a current academic calendar, [click here](#).
- LOCATIONS: Kennesaw Campus: The triangle near the northwest corner of the Campus Green, between the Burruss Building and the Carmichael Student Center (Zone 3/4). Marietta Campus: By The Globe between the Administration Building (Building B) and Joe Mack Wilson Student Center (Building A). These are the designated locations for assemblies, demonstrations and protest activities by campus visitors.
- These spaces will be further defined by pedestrian fencing. Applicants must use the marked area for the purpose of the activity. KSU neither encourages or discourages, or otherwise endorses, these activities and protected forms of expression.
- Individuals, participants, or groups are limited to three (3) scheduled activities per month so that opportunities are available for other applicants to use the area and to minimize any potential disruptions to academic or educational activities. Requests are handled on a first-come, first-serve basis. Once scheduled, if you cannot use the space, please cancel at least by the day before the scheduled date. Missed scheduled dates still count towards the total.
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discarded. Publishers must make arrangements to have the rack placed on campus and must also take responsibility to remove old publications and place new ones.

permits. One-day passes are available as appropriate by visiting the Welcome Center at the visitor lot. It is the responsibility of all KSU employees and students to review and abide by the Parking Policies and Procedures.

D. Parking Regulations:

In order to facilitate a safe and orderly flow of traffic on campus, KSU adopts in full all the statutes and provisions of OCGA, Title 40, Article 10, regarding "Stopping, Standing and Parking." When appropriate, curbs may be painted yellow to designate restricted parking as set forth by Georgia law; however, the lack of yellow curbing or restricted parking signs is not a defense for those charged with violations of state or campus parking regulations. Parking is not permitted on the grass, on sidewalks, in driveways or any other area not designated for parking. Reserved parking areas include but are not limited to "faculty and staff reserved" lots, loading zones, visitor spaces and other areas marked reserved for specific persons or functions. Areas so marked are reserved at all times, unless otherwise specified. Drivers of private vehicles may use loading zones during actual loading and unloading of heavy or bulky material (30 minutes or less) with four-way flashers activated and a note with driver's name and location left on the dashboard.

KSU will vigorously enforce Georgia's "Parking Law for Persons with Disabilities" in accordance with OCGA 40-6-226. Drivers of vehicles parked in spaces designated for persons with disabilities must have valid license plate or display on their dashboard (in full view) or hung from their rear view mirror the official permit issued by the Georgia State Patrol for persons with disabilities.

An illegally parked vehicle may be impounded without notice and at the o2 (ed) 0.2 () 0.2 (w) -0.2(9 (l) - cr

<http://scai.kennesaw.edu/students/parking>

KSU police sponsors many educational programs on sexual assault awareness and prevention; personal safety and security; date rape; campus safety; and self-defense. Scheduled classes are advertised on the KSU police website police.kennesaw.edu KSU Police regularly speak to classes and student groups. Topics discussed can be tailored to the event or class including: crime prevention, campus safety, sexual assault/stalking, active shooter response options, and alcohol/drug prevention. To schedule an officer to speak to your class or group, e-mail the request to safensound@kennesaw.edu.

R.A.D. (Rape Aggression Defense) and S.A.F.E. (Self-defense Awareness and Familiarization Exchange) 50 J ET (pti) 0.50 0 0 5-0.2 (a) rhom /TT2 1 0 0.2 (re) 0.2 (Ag) 0.2 e gisggulcm BT 0.2 ((g) 0.2 eT

incident to the Cobb County Police Department (770-499-3911). In an emergency, dial 9-1-1.

2. The right to have sexual assaults investigated and adjudicated by the duly constituted criminal and civil authorities of the governmental entity in which the crimes occurred; and the right to the full and prompt cooperation and assistance of campus personnel in notifying the proper authorities. The foregoing shall be in addition to any campus disciplinary (SCAI) proceedings.
- 3.

contained in the university catalog (see section on confidentiality of student records). Charges against students and student organizations for violations of the KSU Student Code of Conduct will be handled through the University SCAI Program. Grievances related to loss of athletic scholarship and other forms of financial aid are heard by the Financial Aid Appeals Committee. If a student believes that his/her final grade in a course is unfair because of discrimination or retaliation by a faculty member, the complaint shall be addressed as specified under Academic Policies-Grade Appeal Procedures (see KSU catalog).

Complaints & Grievances Related to Discrimination, Sexual Harassment, Hostile Environment, Retaliatory Harassment and/or Title IX

Please visit the EEO/Title website at kennesaw.edu/eeo for detailed information. You can also contact the EEO/Title IX Office with questions, by phone 470-578-2614 or email eeo@kennesaw.edu.

KSU Diversity Vision Statement

It is our vision to create a strong multicultural and diverse educational environment at KSU in order to increase student satisfaction and to promote an understanding and awareness of people from various backgrounds upon graduation. In this way, KSU students will be educated for and can effectively compete in the global society.

Interpersonal Relations & Non-Discrimination Position Statements & Policies

Kennesaw State University, a member of the University System of Georgia, does not discriminate on the basis of race, color, religion, sex, sexual orientation, national origin, age, creed, veteran status or physical or mental disabilities in employment .2 (ymenTT1 1 0.2 fo) 9 2 () 0.statu2

as it is conducted within an atmosphere that respects the dignity of all concerned. The

handler's disability. Examples of work or tasks include, but are not limited to, assisting individuals who are blind or have low vision with navigation and other tasks, alerting individuals who are deaf or hard of hearing to the presence of people or sounds, providing non-violent protection or rescue work, pulling a wheelchair, assisting an individual during a seizure, alerting individuals to the presence of allergens, retrieving items such as medicine or the telephone, providing physical support and assistance with balance and stability to individuals with mobility disabilities, and helping persons with psychiatric and neurological disabilities by preventing or interrupting impulsive or destructive behaviors. The crime deterrent effects of an animal's presence and the provision of emotional support, well-being, comfort, or companionship do not constitute work or tasks for the purposes of this definition."
ada.gov/regs2010/titleII_2010/titleII_2010_fr.pdf

The disabling condition must be severe enough to substantially limit one or more major life activities, such as the ability to see or hear, speak, breathe, learn, work, think or take care of oneself. An animal that meets this definition is considered a service animal and is allowed to accompany the person with a disability to class meetings, services, activities, programs, field trips, or residences and to be allowed anywhere on campus unless specifically prohibited by this policy or federal/state law.

In addition, Georgia law (OCGA 30.4.2) provides that any Partner who is accompanied by a dog in training to be a service dog or a dog being raised to be trained as a service dog is required to b

- Education Records at Kennesaw State University are defined as any portion of the educational history of a student that is maintained by the University for the purpose of sharing by other academic officials and is intended to support the academic degree progress of the student. Typical examples are the academic files maintained in a department or university administrative office. These records include: files, documents and materials in multiple mediums (handwritten, tape, disks, microfilm, CD-ROM, etc.) which contain information directly related to the academic educational efforts of the student. Academic records do not include law enforcement unit records, medical records (*vis-à-vis* doctor patient privilege), alumni records, or human resource records.
- Sole Possession Records are defined as records (notes maintained by a faculty member)

rights under FERPA. A student who wishes to ask the University to amend a record should write the University official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed. If the University decides not to amend the record as requested, the University will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before the University discloses personally

Application Processing Fee
College and University Transcripts
GRE and GMAT Examination Test Scores
International Admission Documents, TOEFL, IELTS, Michigan

Parents/guardians interested in gaining more information about the violation or disposition of the case are encouraged to discuss the case with their student or request that the student sign a written consent to have this information revealed to his/her parents. Questions or concerns regarding these guidelines should be directed to the Department of Student Conduct and Academic Integrity, University Village (Suite 5100), 470-578-3403.

KSU Student Code of Conduct

The Kennesaw State University Code of Student Conduct is adapted from The NCHERM Group Model Developmental Code of Student Conduct and is used here with permission. www.ncher.org

Preface

Core Values of Student Conduct at Kennesaw State University

- Integrity: Kennesaw State University students exemplify honesty, honor and a respect for the truth in all of their dealings.
- Community: Kennesaw State University students build and enhance their community.
-

Integrity (SCAI) is committed to an educational and developmental process that balances the interests of individual students with the interests of the University community.

A community exists on the basis of shared values and principles. At Kennesaw State University, student members of the community are expected to uphold and abide by certain standards of conduct that form the basis of the Codes of Student Conduct. These standards are embodied within a set of core values that include integrity, social justice, respect, community, and responsibility.

Each member of the University community bears responsibility for his or her own conduct and to assume reasonable responsibility for the behavior of others. When members of the community fail to exemplify these five values by engaging in violation of the rules below, campus conduct proceedings are used to assert and uphold the Codes of Student Conduct.

The student conduct process at Kennesaw State University is not intended to punish students; rather, it exists to protect the interests of the community and to challenge those whose behavior is not in accordance with our policies. Sanctions are intended to challenge students' moral and ethical decision-making and to help them bring their behavior into accord with our community expectations. When a student is unable to control his or her own behavior so that it conforms to community expectations, the student conduct process may determine that the student should no longer share in the privilege of participating in this community.

Students should be aware that the student conduct process is quite different from criminal and civil court proceedings. University disciplinary proceedings may be instituted against a student charged with a violation of a law which is also a violation of these Student Codes of Conduct without regard to the existence of related civil litigation in court or criminal arrest and prosecution. Proceedings under these Student Codes of Conduct may be carried out prior to, simultaneously with, or following civil or criminal proceedings off-campus. Procedures and rights in student conduct procedures are intended to be conducted with fairness to all, but do not include the same protections of due process afforded by the courts. Due process, as defined within these procedures, assures notice and an opportunity to be heard. A student who is accused of a Code of Conduct violation may have an opportunity to be heard before a decision is made about his or her responsibility for a violation. Nevertheless, when a student fails to appear for a hearing/disciplinary meeting after notice of the hearing has been sent to that student's KSU email address, the hearing officer or panel may make a decision without that student's input or explanation. No student will be found in violation of University policy without information showing that it is more likely than not that a policy violation occurred and any sanctions will be proportionate to the se

There is no time limit on reporting violations of the Codes of Student Conduct; however, the longer someone waits to report an offense, the harder it becomes for University officials to obtain information and witness statements and to make determinations regarding alleged violations.

ammunition), any pistol, revolver, or any weapon designed or intended to propel a missile of any kind (including air, BB, paintball, facsimile weapons and pellet guns), or any dirk, bowie knife, switchblade knife, ballistic knife, any other knife having a blade of two or more inches, straight-edge razor, razor blade, spring stick, knuckles, whether made from metal, thermoplastic, wood, or other similar material, blackjack, any bat, club, or other bludgeon-type weapon, or any flailing instrument consisting of two or more rigid parts connected in such a manner as to allow them to swing freely, which may be known as a nun chahka, nun chuck, nunchaku, shuriken, or fighting chain, or any disc, of whatever configuration, having at least two points or pointed blades which is designed to be thrown or propelled and which may be known as a throwing star or oriental dart, or any weapon of like kind, and any stun gun or taser as defined in subsection (a) of Code Section 16-11-106 of the O.C.G.A. This ban includes the storage of any item that falls within the category of a weapon in a vehicle parked on University property except as allowed in limited circumstances by Georgia law.

17. Smoking and all other use of tobacco and all use of e-cigarettes, personal vaporizers (PV), and/or electronic nicotine delivery systems (ENDS) on property owned, leased, rented or in the possession or control of the University System of Georgia.
18. Fire Safety. Violation of local, state, federal or campus fire policies including, but not limited to:
 - Intentionally or recklessly causing a fire which damages University or personal property or which causes injury.
 - Failure to evacuate a University -controlled building during a fire alarm;
 - Improper use of University fire safety equipment; or
 - Tampering with or improperly engaging a fire alarm or fire detection/control equipment while on University property. Such action may result in a local fine in addition to University sanctions;
19. Ineligible Pledging or Association. Pledging or associating with a student organization without having met eligibility requirements established by the University.
20. Animals. Animals within University buildings, with the exception of those whose presence the University is required by law to allow.
21. Recreational Wheeled Devices. Skateboards, roller blades, roller skates, bicycles and similar wheeled devices may not be used inside University buildings, residence halls, parking decks, or on tennis courts. Additionally, skateboards and other wheeled items may not be ridden on railings, curbs, benches, or any such fixtures that may be damaged by these activities and individuals may be liable for damage to University property caused by these activities.

Social Justice: Students recognize that respecting the dignity of every person is essential for creating and sustaining a flourishing university community. They understand and appreciate how their decisions and actions impact others and are just and equitable in their treatment of all members of the community. They act to discourage and challenge those whose actions may be harmful to and/or diminish the worth of others. Conduct that violates this value includes, but is not limited to:

1. Discrimination. Any act or failure to act that is based upon an individual or group's actual or perceived status (sex, gender, gender identity, race, color, age, creed,

- a) The use, possession, manufacture, sale, or distribution of illegal drugs.
 - b) All other drug violations.
3. Prescription Medications. Abuse, misuse, sale, or distribution of prescription or over-the-counter medications;
 - 4.

3. The transport and/or consumption of alcohol in open containers in any public area including any property that surrounds an apartment and is considered housing property;
4. The manufacture or selling of alcohol;
5. Failure to abide by the institution's policy on student organization use of alcohol;
6. Public intoxication;
7. Common containers of alcohol (kegs, party balls, trash cans, funnels, beer hats, etc.) are not permitted. Beverages must be used in individual containers;
8. Any game or activity (especially those competitive in nature) contributing to the overindulgence of alcohol is prohibited regardless of the age of the participants;
9. Guests and/or visitors consuming or possessing alcohol in the room/apt/surrounding

their room or common area. In unclear cases of definition, the context in which a particular object was used will determine whether it is a weapon. Items that can be easily confused as weapons, including but not limited to pellet, BB, paintball, or Nerf and air guns, are prohibited. If the Department of Residence Life can demonstrate an educational need, this policy may be abridged or modified as needed.

IV. Pets/Animals

The University does not permit students to have pets/animals in or around the residential communities. If a resident is found to have an unauthorized pet in their apartment for any reason at any time, they are subject to a pet fine that is charged daily. This includes pets belonging to outside guests; pets/animals may not "visit" at any time. The only exceptions are:

1. Fish in a properly maintained aquarium not to exceed 10 gallons; and
2. Animals determined to be necessary for persons with disabilities. Student Disability Support Services and the Department of Residence Life must approve all residential students seeking the use of such animals.

V. Smoking/Tobacco Use

Smoking, all other use of tobacco, and all use of e-cigarettes, personal vaporizers (PV), and/or electronic nicotine delivery systems (ENDS) is prohibited on property owned, leased, rented or in the possession or control of the University System of Georgia.

1.

Any modifications or revisions to these residential code of conduct shall be submitted to the Kennesaw State University Residence Hall Association (RHA). After discussion, the RHA shall forward its recommendations to the Director of Residence Life. Upon his/ her approval, the Director of Residence Life shall forward the approved recommendations to the Director of SCAI, and Vice President for Student Affairs or designee.

XIV. Warnings and Documented Incidents

misconduct which occurred is different than the initial allegations (e.g. alleged plagiarism which

receiving that assignment. Most commonly, this means submitting the same, or substantially the same, paper or other assignment for credit in more than one class;

4. Misrepresentation and/or Falsification. Knowingly providing false information in completing University forms or applications (including admissions forms, scholarship applications, time sheets, false or counterfeit transcripts, etc.) or in any work submitted for credit. This includes providing fabricated/altered documents to substantiate an excused absence (such as to meet attendance requirements or have the chance to make up a missed exam). Signing in for another student or having another individual sign in on

3) Student Organizations

In addition to e, h, k, l, n, and o listed in the above referenced sanctions, student organizations found in violation of the Student Code of Conduct may be subject to the following disciplinary action:

1. Restriction of social or other activities sponsored by the organization.
2. Suspension of the organization's registration with Student Life.
3. Probated suspension of the organization's registration with Student Life.
4. Revocation of the organization's registration with Student Life.
5. Probated revocation of the organization's registration with Student Life.

• Section 7: Appeals

Sanctions Take Effect Immediately

All sanctions take effect immediately after the sanction decision is communicated in writing (unless the sanction letter specifies differently), and this is true even when a student or student organization qualifies for and pursues an appeal.

Who may Appeal?

A responding student may appeal a decision of the panel as confirmed by the Director of the SCAI Department or his or her designee or the decision of an administrator in an educational/disciplinary conference only when that decision resulted in a sanction of retraction of a degree or previously awarded course credit, suspension, expulsion (from the University), and/or removal from University housing.

An organization may appeal a decision of the SCAI panel as confirmed by the Director of the SCAI Department or his or her designee or the decision of an administrator in an educational/disciplinary conference only when that decision resulted in a recommendation of a sanction of removal from University housing, and/or suspension or revocation of the organization's registration with the University.

Generally, only a responding student or organization may appeal, but whenever there is a Title IX investigation and report with findings and recommendations based on an allegation of sexual discrimination (including sexual assault) the rules on appeals are modified so that either the responding student or the complainant may appeal in writing the finding and/or sanctions under certain circumstances. However, if either appeals, then the other must be notified of the appeal and the other may or may not choose to make a written statement in response to the appeal. The appeal and the statement in response to the appeal must be joined together and heard by the appeals officer at the same time so that the matter can be resolved in one action. Any appeal decision must be communicated to both parties. If the student chooses not to make a statement in response to the appeal, he or she may not later object to and appeal any decision by the appeals officer. If the responding student appeals, s/he must base the appeal on one or more of the three grounds listed below (procedural error, new evidence, or substantive error). If the complainant appeals s/he must base the appeal on (procedural error, new

evidence, or on an assertion that the record of the original investigation shows by a preponderance of evidence that there was sexual discrimination/misconduct by the responding student and/or on an assertion that the sanctions imposed were unreasonably lenient based upon the circumstances of the case and the prior record of the responding student.

Decision Letter Contents

Every decision letter to a student who has been suspended or expelled from the University or removed from housing, or had a degree or

matters related to the appeal, but that is solely within the discretion of the person deciding the appeal.

Information Needed by Person Deciding Appeal

The person deciding the appeal or his or her designee will receive the following information:

1. Any recording that may have been made of the hearing (panel hearing only).
2. All documents and evidence presented at the hearing.
3. Any notice of hearing letter presented to the student or organization.
4. The decision/sanction letter.

Engaging in sexual activity with someone who is unable to give consent is considered by law and KSU to be Sexual Misconduct. Note that indications of consent are irrelevant if the person is incapacitated. When there is ambiguity about whether consent has been given, a student can be charged with, and found responsible for, committing a sexual assault or another form of sexual misconduct. Examples of incapacitation include, but are not limited to, being highly intoxicated, passed out, or asleep. Consumption of alcohol or another drug, in and of itself, does not relieve a party of responsibility to obtain ongoing consent.

Environmental Health and Safety

KSU Position Statement on Environmental Awareness

Kennesaw State University endeavors to encourage, in each student, faculty, staff member, and the community, a respect for the worth of the environment and a desire and capacity to recycle, to conserve energy and to take other measures to help conserve limited resources. This institution focuses on developing an environmental ethic that promotes excellence, responsibility and stewardship in environmental affairs and is committed to educating the community about environmental to Q.

where encouragement to the student to withdraw voluntarily has not been successful, involuntary withdrawal under these protocols may be implemented. A Dean of Students Medical Withdrawal Hold will be placed on the account of any student who withdraws for medical or psychological reasons.

I. Student-Initiated Withdrawal

with the conditions, coupled with further disruptive behavior, may result in having additional conduct complaints added to any that were previously pending or deferred.

3. Remaining enrolled at the university subject to conditions but without eligibility to remain in campus housing. Under certain circumstances, where other students' living

The University may withdraw a student if it is determined, by a preponderance of the evidence (that it is more likely than not) that the student is engaging in or threatening to engage in behavior which (a) significantly disrupts the campus community, (b) constitutes a threat to the life, health, safety, or welfare of any member of the campus community, (c) renders the student unable to engage in basic required activities necessary to obtain an education (including, but not limited to, the inability to attend or complete academic courses or coursework; or, when considered with other facts, the inability to attend to the student's own basic, daily hygienic requirements), or (d) substantially impedes the lawful activities of others.

A.

notification that information concerning a mental/behavioral disorder will be introduced. The referral for evaluation will require the student to provide the results to the appropriate administrators.

Students referred or mandated for evaluation will be so informed in writing with personal and/or delivery via KSU student email, and will be given a copy of these standards and procedures. The evaluation must be completed within five business days from the date of the referral letter, unless an extension is granted by the Dean of Students (or designee). A student who fails to complete the evaluation in accordance with these standards and procedures, or who fails to provide the evaluative results to the appropriate administrators, may be withdrawn on an interim basis, or referred for conduct action, or both.

V. Involuntary Medical Withdrawal Hearing Procedures

If the medical evaluation or administrative assessment supports the need for medical withdrawal, a hearing will be scheduled before the dean of students (or designee) who may consult with appropriate medical or mental health professionals (e.g., representatives of Counseling & Psychological Services or Student Health Services). The student will be informed via the KSU student email account, which is the official means of communication between the university and its students. The student will be given at least two business days prior to the hearing to independently review the psychological or psychiatric evaluation and any other evidence that will be presented in support of involuntary withdrawal. In addition, the student will be notified of who is expected to present information at the hearing, and is expected to

VI. Appeal

- Critical Thinking: Students will articulate a position on an issue and support it by evaluating evidence relevant to the position, considering opposing positions or evidence, and evaluating the implications and/or consequences of this issue.
- Literature: Students will analyze and interpret texts and other creative works from multiple cultures and perspectives.
-

Area B: Institutional Option - Critical Thinking - (5
Credit Hours)

Select one from the following:

- ART 1107 - Art in Society
- DANC 1107 - Dance in Society
- MUSI 1107 - Music in Society
- TPS 1107 - Theatre in Society

Select one course or group of courses from the following:

- SCI 1102 - Science, Society and the Environment II

- GEOG 1112 - Weather and Climate
- GEOG 1113 - Introduction to Landforms

- CHEM 1152 - Survey of Chemistry II
- CHEM 1152L - Survey of Chemistry II Laboratory

- CHEM 1212 - General Chemistry II
- CHEM 1212L - General Chemistry II Laboratory

- PHYS 1112 - Introductory Physics II
- PHYS 1112L - Introductory Physics Laboratory II

- PHYS 2212 - Principles of Physics II
- PHYS 2212L - Principles of Physics Laboratory II

- BIOL 1108 - Biological Principles II
- BIOL 1108L - Biological Principles II Laboratory

Note:

D1: STEM Majors: Take MATH 1190 or 2202.

D2: STEM majors: Take CHEM 1211/L & 1212/L, PHYS 1111/L & 1112/L, PHYS 2211/L & 2212/L, or BIOL 1107/L & 1108/L.

Pre-Health Majors: Take CHEM 1151/L & 1152/L, CHEM 1211/L & 1212/L, PHYS 1111/L & PHYS 1112/L or BIOL 1107/L & 1108/L. It is recommended that students select a sequence appropriate to the major.

Nursing majors: Take CHEM 1151/1151L, CHEM 1152/1152L & MATH 1107.

All other majors: Take one laboratory science course and one additional science course.

STEM majors: carry over extra 1-2 hours to area F.

Area E: Social Sciences – (12 Credit Hours)

E1: U.S. Government (3 Credit Hours)

- POLS 1101 - American Government

E2: U.S. History (3 Credit Hours)

Select one from the following:

- HIST 2111 - United States History to 1877
- HIST 2112 - United States History Since 1877

E3: World History (3 Credit Hours)

Select one from the following:

- HIST 1100 - Introduction To World History
- HIST 1111 - Pre-Modern World History
- HIST 1112 - Modern World History

E4: Social Sciences (3 Credit Hours)

Select one from the following:

- CRJU 1101 - Foundations of Criminal Justice
- GEOG 1101 - Introduction to Human Geography
- PSYC 1101 - Introduction to General Psychology
- SOCI 1101 - Introduction to Sociology
- STS 1101 - Science, Technology, and Society
- ANTH 1102 - Introduction to Anthropology
- ECON 2100 - Principles of Microeconomics

Area F: Courses Related to the Program of Study - (18 Credit Hours)

See the individual majors for the specific requirements in this area.

University-Wide Degree Requirements

Foundations for Healthy Living Requirement (3 Credit Hours)

All students entering Kennesaw State University are required to take the Foundations for Healthy Living (WELL 1000)

to the leading causes of death and disabilities in the United States. WELL 1000 cannot be used to satisfy free elective requirements.

First-Year Curriculum Requirement

All first-year full-time students entering Kennesaw State University with fewer than 15 semester hours are required to complete a First-Year Seminar or enroll in a Learning Community and complete all courses that comprise it. This requirement must be satisfied during a student's first term of enrollment at Kennesaw State University. Students who choose to satisfy the requirement by taking a first-year seminar should work closely with their academic advisors to determine where and how the course fits into their program of study. Students with 30 or more credit hours are not eligible to enroll in a First-Year Seminar or a Learning Community designated for first-year students. First-Year Seminar courses are KSU 1101, KSU 1111, KSU 1121, and KSU 1200. A learning community (LC) is a small cohort of students intentionally co-enrolled in two or more courses with the purpose of integrating learning across courses and creating a sense of belonging in order to promote persistence, engagement, and academic success. LCs are intentionally small (i.e., 25 students or fewer), and at least one course in the LC is limited to LC students only. LC courses are identified by a "C" in front of section numbers in the Registrar's Schedule of Courses. Learning communities are administered by the Learning Communities Program in the Department of First-Year and Transition Studies, which is part of University College.

College of The Arts

The College of the Arts at Kennesaw State University houses the disciplines of Art and Design, Music, Theatre and Performance Studies, and Dance, in one of the most dynamic communities

commitment to disciplinary, cultural, artistic, and intellectual diversity. The College of the Arts also annually hosts a number of guest artists who provide students with rich professional training experiences.

The College of the Arts offers both academic and professional programs of study that prepare students for careers in the visual and performing arts. Undergraduate programs are built upon a strong common liberal arts component. Through its departments, the College offers the Bachelor of Arts degree in Dance, Music and in Theatre and Performance Studies, the Bachelor of Fine Arts degree in Art, the Bachelor of Music degree in Music Education, and in Performance, and the Bachelor of Science degree in Art Education. Our partnerships and collaborations with leading arts organizations and educational institutions regionally, nationally, and internationally make the College of the Arts at Kennesaw State University a dynamic contributor to economic, social, and political development. Our faculty, staff, and students are actively engaged in our local community and are vital to the cultural core of the metro-Atlanta area. We invite you to visit our campus, experience our rich traditions of innovative art-making, and become a part of our thriving community of celebrated scholars and artists.

Additional information on the College of the Arts can be found at <http://www.kennesaw.edu/arts>.

Special Units:

The Stillwell Theater - Theatrical, musical, and other university events are held in the University's 315-seat Stillwell Theater.

Chastain Pointe Dance Facility - A state-of-the-art dance facility that houses some of the largest studios in the metro-Atlanta area, faculty offices, a costume shop, scene shop, classroom, computer lab, and student lounge.

Performance Library - Houses audio/video materials, as well as books and manuscripts for all the disciplines in the College of the Arts.

Technology Labs - The arts labs provide faculty and staff with state-of-the-art computer labs for artistic creation in music, theatre, dance, and graphic arts.

Art Galleries - Three state-of-the-art galleries provide venues for student, faculty and professional exhibitions.

Bailey Performance Center - The Bailey Center houses a 600-seat acoustically superior performance hall for music, the Brooker Rehearsal Hall and the Clayton Gallery.

Academic Departments

The College of the Arts houses four academic departments:

- The School of Art and Design (B.F.A., B.S.)
- The School of Music (B.A., B.M.)
- Department of Theatre and Performance Studies(B.A.)
- Department of Dance (B.A.)

Minors

- Art History
- Dance
- Music

Programs of Study

The College of the Arts offers the following undergraduate degrees:

- Bachelor of Fine Arts in Art
- Bachelor of Science in Art Education
- Bachelor of Arts in Art History
- Bachelor of Arts in Dance
- Bachelor of Arts in Music
- Bachelor of Music in Music Education
- Bachelor of Music in Performance
- Bachelor of Arts in Theatre and Performance Studies

before a student can proceed beyond ART 1100 and ART 1150. See the School of Art and Design admission application, portfolio

upon portfolio review and acceptance by the school. Portfolio submission and review must take place before a student can enroll in courses beyond ART 1100 and ART 1150.

Upper-Division Major Requirements (51 Credit Hours)

Distribution Requirements (9 Credit Hours)

Select three from the following outside the concentration area. At least one 2-D and one 3-D area must be represented.

- ART 3015 - Electronic Illustration
- ART 3120 - Ceramics I
- ART 3160 - Painting I
- ART 3300 - Sculpture I
- ART 3320 - Jewelry and Small Metals I
- ART 3400 - Digital Photography
- ART 3410 - Film Photography
- ART 3500 - Printmaking I
- ART 3550 - Bookarts, Letterpress and Papermaking
- ART 3990 - Art As a Public Profession

Art History (12 Credit Hours)

- ARH 3990 - Research Methods in Art History
- ARH 4000 - Historical Studio Practices
- ARH 4150 - African-American Art
- ARH 4400 - Directed Study
- ARH 4490 - Special Topics in Art History
- ARH 4500 - Women in Art
- ARH 4700 - Victorian Art and Culture
- ARH 4740 - History of Illustration
- ARH 4820 - History of Printmaking
- ARH 4840 - History of Graphic Design
- ARH 4900 - Contemporary Art
- TPS 3493 - Performance Art

BFA Concentration (30 Credit Hours)

Concentration Review Portfolio

Students select an area of concentration from those listed below. While enrolled in the second course of the concentration students will submit a portfolio of work in that area for review by the supervising faculty. Students who do not pass will not be allowed to continue in the program.

Graphic Communications Concentration

Choose three courses for a total of 9 credit hours:

Any ART, ARH, or ARED 3000- or 4000-level elective choice

Education model with a curriculum that includes study in studio, art history, aesthetics and art criticism. The art education program is aligned with the National Association of Schools of Art

department website and contact your concentration advisor for specific portfolio requirements and deadlines.

Change of Concentration

Students who wish to change their studio concentrations must resubmit a portfolio to the desired area of concentration and be accepted by that concentration area.

Dual Concentrations

Students electing a second concentration may use the Level I course of the second concentration as part of the distribution requirements. The other necessary courses in the second concentration may be placed as art electives in applicable cases for the first concentration. A second concentration may in some cases extend the degree beyond 123 credits. Students must follow the same process of portfolio submission and approval to be accepted into a second concentration.

Change of Degree Program

Students who wish to change degree programs in art must reapply and gain admission status to the new degree program.

General Education (42 Credit Hours)

See listing of requirements.

Lower Division Major Requirements (Area F) (18 Credit Hours)

- ART 1100 - Two-Dimensional Design and Color Theory
- ART 1150 - Drawing I
- ART 1200 - Three-Dimensional Design
- ART 2150 - Drawing II
- ART 2550 - Computer Applications in Art

Teaching Field Requirements (9 Credit Hours)

- EDUC 2110 - Investigating Critical and Contemporary Issues in Education
- EDUC 2120 - Sociocultural Influences on Teaching and Learning
- EDUC 2130 - Exploring Teaching and Learning

Upper Division Major Requirements (29 Credit Hours)

(see note ¹)

- ART 3120 - Ceramics I
- ARED 3155 - Art Education Life Drawing
- ART 3160 - Painting I
- ART 3300 - Sculpture I
- ART 3400 - Digital Photography
- ART 3500 - Printmaking I

Art History

(All three are required by all art education majors for a total of 9 credit hours)

- ARH 2750 - Ancient through Medieval Art
- ARH 2850 - Renaissance through Modern Art
- ARH 3850 - Art Since 1900

Senior Exhibition

Required of all Art Education n n •••-

- ARED 3302 - Teaching, Learning and Development in Visual Arts
- ARED 3304 - Teaching Art History, Criticism and Aesthetics
- ARED 3308 - Special Populations in Art Education
- ARED 3306 - Materials, Methods and Management for Teaching Art (P-12)
- ARED 4410 - Intercultural Curriculum Model
- ARED 4650 - Yearlong Clinical Experience I
- ARED 4660 - Yearlong Clinical Experience II

Program Total (128 Credit Hours)

University-Wide Degree Requirements

See listing of requirements.

Notes:

¹ The upper level studio courses are basic requirements. Art education students may elect to take additional course work in specific studio areas such as drawing, painting, photography, printmaking, ceramics, sculpture, and graphic communications. Additional studio work is highly recommended for students planning to do graduate study.

² The senioc 0.2 () 0 0 (tud) 0ftg2 (na) 0.2 (r) 0.2 (a) 0.22 (d) 0.2 () 0.ex (phi) -(bud) 0ftg2 (ti) -0.2 (o) 0.22

Students electing a second concentration may use the Level I course of the second concentration as part of the distribution requirements. The other necessary courses in the second concentration may be placed as art electives in applicable cases for the first concentration. A second concentration may in some cases extend the degree beyond 123 credits. Students must follow the same process of portfolio submission and approval to be accepted into a second concentration.

Change of Degree Program

Students who wish to change degree programs in art must reapply and gain admission status to the new degree program.

Placement

The School of Art and Design holds the exclusive authority to determine appropriate admission level placement, credit evaluation of art courses in studio, art history, and art education.

Continuation in Program

All art students must maintain an overall GPA of 2.25 to remain in the program. Students falling below a 2.25 may have one semester to improve their GPA and continue; if they do not, they are permanently dismissed from the program. Students may not fall below a 2.25 twice; a second incidence will result in immediate and permanent dismissal from the program. BFA in Studio Art majors must maintain a 3.0 GPA in their concentration areas. Falling below a 3.0 in the concentration or making one grade of "F" in the concentration area will result in dismissal from the concentration. Students dismissed from two concentrations may not continue in the BFA program. BS in Art Education majors must have a 2.75 overall GPA in order to be admitted to the Teacher Training Program of the Bagwell College of Education and to remain in the degree program. Furthermore, two or more "D" or "F" grades after admission to teacher education will result in a review by the Admissions and Academic Standing Committee. For a complete list of other requirements for art education students, refer to Admission and Retention in Teacher Education under Bagwell College of Education in the Undergraduate Catalog. All students must make timely and reasonable progress toward the degree. Non-enrollment or withdrawal from all classes for two or more consecutive semesters will require reapplication to the School of Art and Design.

General Education (42 Credit Hours)

See listing of requirements.

Lower Division Major Requirements (Area F) (18 Credit Hours)

Required:

- ARH 2750 -

- ARH 4500 - Women in Art
- ARH 4700 - Victorian Art and Culture
- ARH 4740 - History of Illustration
- ARH 4750 - American Landscape Painting
- ARH 4820 - History of Printmaking
- ARH 4840 - History of Graphic Design
- ARH 4870 - History of Photography
- ARH 4900 - Contemporary Art
- ARH 3398 - Internship *
- ARH 4400 - Directed Study *
- ARH 4490 - Special Topics in Art History *

Global/Non-Western Art and Architecture

- ARH 3000 - Asian Art and Architecture

Graduation Credit Hour Total (123 Credit Hours)

Art History Minor

College of the Arts, School of Art and Design
(470) 578-6139

http://www.kennesaw.edu/visual_arts/Programs/

practical experiences aimed at developing a holistic understanding of dance as an art form, encourage students to investigate dance as a method of analysis, a mode of enquiry, and an aesthetic experience. Partnerships with professional dance and art organizations provide a variety of practical performance experiences for dance students in the community. Collaborative learning with professional artists and scholars, propel dance students into the profession while they are actively developing their skills as dance artists.

To schedule a special audition (for students who are unable to attend the regularly scheduled audition due to unavoidable circumstances), please contact the Chair of the Department of Dance at 470-578-7673.

KSU Dance Company Auditions

Auditions for the KSU Dance Company are reserved for dance majors and minors. The auditions are held every semester during the first week of classes. Students who are accepted into the company are required to register for DANC 2714 (Dance Performance- 2 credits) immediately following the audition. All company members are required to attend a mandatory company technique class held on Fridays from 9:00 a.m. - 10:45 a.m. Rehearsals begin at 3:30 p.m. every Monday - Thursday and run till 9:00 p.m.; additional rehearsals are held on Friday's from 11:00 a.m. - 5:00 p.m. Students are required to attend two regularly scheduled rehearsals per week for each of the pieces in which they are cast. Casting is based on technical ability and schedule availability. For additional information visit the dance website: arts.kennesaw.edu/dance/.

General Education (42 Credit Hours)

See listing of requirements.

Lower Division Major Requirements (Area F) (18 Credit Hours)

- DANC 2000 -

(Modern II and III can be taken only twice for credit; Modern IV can be taken up to four times for credit.)

- DANC 3310 - Modern Dance II: Contemp

- DANC 3310 - Modern Dance II: Contemporary Dance Techniques
- DANC 3320 - Modern Dance III: Contemporary Dance Technique
- DANC 3330 - Modern Dance IV: Contemporary Dance Technique
- DANC 3500 - Pas de Deux/Pointe
- DANC 3550 - Choreography I
- DANC 3600 - Dance Improvisation
-

Placement

The School of Music holds the exclusive authority to determine appropriate admission level placement in the applied concentration, music theory, music history, piano proficiency, and continuity of study. Continuous study in the area of the applied concentration is a requisite. A lapse of two or more semesters of applied study will require an audition for readmittance to the School of Music.

General Requirements

A variety of School of Music regulations and policies affect music majors and minors. Included are requirements for recital and ensemble participation, recital and concert attendance, piano proficiency, departmental assessment procedures, and applied juries. Enrollment in an applied area of concentration is required of all music majors as specified in the degree program. Further, music students must be enrolled in an appropriate large ensemble every semester in which the student is enrolled in applied music. The appropriate ensemble director determines a student's large ensemble placement. To earn academic credit toward their degree, music students must earn a grade of "C" or higher in all music courses.

Bachelor of Arts students must demonstrate competence in a foreign language through the level of FL 2002.

General Education (42 Credit Hours)

See listing of requirements.

Specific General Education requirements for this major

- MUSI 1107 - Music in Society (World Music section)

Graduation Requirement

- MUSI 3324 - Instrumentation/Arranging
- MUSI 4420 - Counterpoint
- MUSI 4421 - Contemporary Analytical and Compositional Techniques
- MUSI 4422 - Theory Seminar
- MUSI 4495 - Senior Seminar in Music
- Musicology or Ethnomusicology upper-elective class (3 credit hours)
- Other upper-level music electives (6 credit hours)

Composition Concentration

- MUSI 3371 - Composition I
OR
- MUSI 3326 - Class Composition I

- MUSI 3372 - Composition II
OR
- MUSI 3327 - Class Composition II

- MUSI 4471 - Composition III
- MUSI 4472 - Composition IV
- MUSI 4473 - Composition V
- MUSI 3324 - Instrumentation/Arranging
- MUSI 4420 - Counterpoint

- MUSI 4421 - Contemporary Analytical and Compositional Techniques
- MUSI 4495 - Senior Seminar in Music
Upper-level music elective (2 credit hours)

Musicology Concentration

- MUSI 4412 - Introduction to American Music
- MUSI 4423 - Current Directions in Musicology
- MUSI 4495 - Senior Seminar in Music
- One upper-level Musicology elective class (3 credit hours)
- Theory or Composition upper-level elective classes (2-3 credit hours)
- Other upper-level music electives (7-8 credit hours)

Ethnomusicology Concentration

- MUSI 4412 - Introduction to American Music
- MUSI 4423 - Current Directions in Musicology
- MUSI 4495 - Senior Seminar in Music
- Two upper-level Ethnomusicology elective classes (6 credit hours)
- Theory or Composition upper-level elective class (2-3 credit hours)
- Other upper-level music electives (4-5 credit hours)

Voice Concentration

- MUAP 3311 - Applied Lessons
- MUAP 3312 - Applied Lessons
- MUAP 4411 - Applied Lessons
- MUSI 3331 -

Bachelor of Music in Music Education Degree Leading to Certification for
Grades P-12
College of the Arts, School of Music
(470) 578-6151

This single field program is designed to prepare music teachers at all grade levels (pre-kindergarten through grade 12). It leads to P-12 teacher certification in the teaching field of music in Georgia. Candidates complete the equivalent of a major in music and a second major in pedagogical studies with an emphasis on teaching music. Students audition for placement into one of four music education concentrations (General Music, Choral, Band, and Orchestra). The Music Education degree is offered with applied instruction in piano, voice, flute, oboe, clarinet, bassoon, saxophone, trumpet, horn, trombone, euphonium, tuba, percussion, guitar, violin, viola, cello, double bass, and harp.

Applied Instruction

the Supplemental Application for the School of Music located on the School of Music website (www.kennesaw.edu/music). Questions regarding the audition process, audition dates, or requirements can be directed to the College of the Arts Office of Admissions and Student Services, 470-578-6614; COTA-Admissions@kennesaw.edu.

Transfer Admissions

Students who wish to transfer into the School of Music from another institution follow the same admissions procedure as all new students (see above). Transfer students are placed at an academic level in their principal area of applied concentration based upon the transferable amount of study earned at other institutions and the performance level demonstrated at the audition. Transfer credit for all course work is evaluated as quickly as possible after a student has been admitted to KSU. Students who transfer completed baccalaureate applied performance credit to KSU will be required to take additional applied performance study and additional ensemble credit so as to parallel remaining semesters of their designated degree program of study at KSU. The School of Music accepts students from other schools and colleges at Kennesaw State University on the same basis as new students and/or transfer students from other institutions. Interested and qualified students are encouraged to transfer into the program.

Change of Concentration

Students who wish to change their applied performance concentration must re-audition and be accepted for applied studio instruction in the new concentration.

Change of Degree Program

Students who wish to change degree programs in music must re-audition and gain admission status to the new degree program.

Placement

The School of Music holds the exclusive authority to determine appropriate admission level placement in the applied concentration, music theory, music history, piano proficiency, and continuity of study. Continuous study in the area of the applied concentration is a requisite. A lapse of two or more semesters

General Requirements

- MUSI 1165 - Class Piano I
- MUSI 1166 - Class Piano II

- Placement of students in large ensembles is determined by the appropriate large ensemble directors. Students will repeat one large ensemble course four times (MUSI

- or
• MUSI 3347 -

- or
- MUSI 3345 - Wind Symphony
- or
- MUSI 3346 - Chamber Singers
- or
- MUSI 3347 - Wind Ensemble
- or
- MUSI 3348 - Symphony Orchestra
- or
- MUSI 3349 - Chorale

- MUSI 3201 - Men's Ensemble (repeat 3 times)
- or
- MUSI 3202 - Women's Choir (repeat 3 times)

- MUSI 4434 - Vocal Pedagogy for Ensemble Singing
- MUED 3353 - Guitar Techniques Class
- MUED 3371 - Brass/Woodwind/Percussion Techniques

- Senior recital required.
- Pianists in the General Music Concentration will count MUSI 2111: Aural Skills III and MUSI 2112: Aural Skills IV as Area F credits.
- Placement of students in large ensembles is determined by the appropriate large ensemble directors. Students will repeat one large ensemble course three times (MUSI 3343-MUSI 3349). Jazz Ensemble may be used for up to four large ensemble credits only by permission of the Director of Jazz Studies. General music education majors must take a minimum of four semesters in a large choral ensemble.

General Music Concentration (for all other instruments)

- MUAP 3311 - Applied Lessons (2 semesters: one each of your primary instrument and voice)
- MUAP 3312 - Applied Lessons (2 semesters: one each of your primary instrument and voice)
- MUAP 4411 -

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- or
- MUSI 3332 - Instrumental Conducting

- MUSI 3343 - Jazz Ensemble
- or
- MUSI 3344 - University Philharmonic Orchestra
- or
- MUSI 3345 - Wind Symphony
- or
- MUSI 3346 - Chamber Singers
- or
- MUSI 3347 - Wind Ensemble
- or
- MUSI 3348 - Symphony Orchestra
- or
- MUSI 3349 - Chorale

- MUSI 3201 - Men's Ensemble
- or
- MUSI 3202 - Women's Choir

- MUSI 4434 - Vocal Pedagogy for Ensemble Singing
- MUED 3353 - Guitar Techniques Class
- MUED 3351 - String Techniques
- MUED 3371 - Brass/Woodwind/Percussion Techniques

- Senior recital required.
- Placement of students in large ensembles is determined by the appropriate large

- MUSI 3336 - Diction for Singers
- MUSI 3343 - Jazz Ensemble
or
- MUSI 3344 - University Philharmonic Orchestra
or
- MUSI 3345 - Wind Symphony
or
- MUSI 3346 - Chamber Singers
or
- MUSI 3347 - Wind Ensemble
or
- MUSI 3348 - Symphony Orchestra
or
- MUSI 3349 - Chorale
- MUSI 3350 - Advanced Choral Conducting/Literature
- MUSI 3201 - Men's Ensemble (repeat 2 times)
or
- MUSI 3202 - Women's Choir (repeat 2 times)
- MUSI 4434 - Vocal Pedagogy for Ensemble Singing
- MUED 3351 - String Techniques
- MUED 3371 - Brass/Woodwind/Percussion Techniques
- Senior recital required.
- Pianists in the Choral Concentration will count MUSI 2111: Aural Skills III and MUSI 2112: Aural Skills IV as Area F credits.
- Placement of students in large ensembles is determined by the appropriate large ensemble directors. Students will repeat one large ensemble course three times (MUSI 3343-MUSI 3349). Jazz Ensemble may be used for up to four large ensemble credits only by permission of the Director of Jazz Studies. Choral music education majors must take a minimum of four semesters in a large choral ensemble.

Choral Concentration (for vocalists and all other instruments)

- MUAP 3311 - Applied Lessons
- MUAP 3312 - Applied Lessons

- MUSI 3311 - History of Music I
- MUSI 3312 - History of Music II
- MUSI 3331 - Choral Conducting
- MUSI 3336 - Diction for Singers

- MUSI 3343 - Jazz Ensemble
or
- MUSI 3344 - University Philharmonic Orchestra
or
- MUSI 3345 - Wind Symphony
or
- MUSI 3346 - Chamber Singers
or
- MUSI 3347 - Wind Ensemble
or
- MUSI 3348 - Symphony Orchestra
or
- MUSI 3349 - Chorale

- MUSI 3350 - Advanced Choral Conducting/Literature

- MUSI 3201 - Men's Ensemble (repeat 2 times)
or
- MUSI 3202 - Women's Choir (repeat 2 times)

- MUSI 4434 - Vocal Pedagogy for Ensemble Singing
- MUED 3351 - String Techniques
- MUED 3371 - Brass/Woodwind/Percussion Techniques

- Senior recital required.
- Placement of students in large ensembles is determined by the appropriate large ensemble directors. Students will repeat one large ensemble course three times (MUSI 3343-MUSI 3349). Jazz Ensemble may be used for up to four large ensemble credits only by permission of the Director of Jazz Studies. Choral music education majors must take a minimum of four semesters in a large choral ensemble.

Orchestra Concentration

- MUAP 3311 - Applied Lessons
- MUAP 3312 - Applied Lessons
- MUAP 4411 - Applied Lessons
- MUSI 2111 - Aural Skills III
- MUSI 2112 - Aural Skills IV
- MUSI 2221 - Music Theory III
- MUSI 2222 - Music Theory IV
- MUSI 3311 - History of Music I
- MUSI 3312 - History of Music II

- MUSI 3332 - Instrumental Conducting

- MUSI 3343 - Jazz Ensemble
or
- MUSI 3344 - University Philharmonic Orchestra
or
- MUSI 3345 - Wind Symphony
or
- MUSI 3346 - Chamber Singers
or
- MUSI 3347 - Wind Ensemble
or
- MUSI 3348 - Symphony Orchestra
or
- MUSI 3349 - Chorale

Band Concentration

- MUAP 3311 - Applied Lessons
- MUAP 3312 - Applied Lessons
- MUAP 4411 - Applied Lessons
- MUSI 2111 - Aural Skills III
- MUSI 2112 - Aural Skills IV
- MUSI 2221 - Music Theory III
- MUSI 2222 - Music Theory IV
- MUSI 3311 - History of Music I
- MUSI 3312 - History of Music II
- MUED 4000 - Advanced Pedagogy and Arranging
- MUSI 3332 - Instrumental Conducting

- MUSI 3343 - Jazz Ensemble
or
- MUSI 3344 - University Philharmonic Orchestra
or
- MUSI 3345 - Wind Symphony
or
- MUSI 3346 - Chamber Singers
or
- MUSI 3347 - Wind Ensemble
or
- MUSI 3348 - Symphony Orchestra
or
- MUSI 3349 - Chorale

- MUSI 3351 - Advanced Instrumental Conducting/Literature

Take One:

- MUSI 3210 - Classical Guitar Ensemble
- MUSI 3211 - Jazz Guitar Ensemble
- MUSI 3212 - Jazz Combo
- MUSI 3220 - Percussion Ensemble
- MUSI 3221 - String Ensemble
- MUSI 3222 - Woodwind Ensemble
- MUSI 3223 - Brass Ensemble
- MUSI 3224 - Piano Ensemble
- MUSI 3225 -

- MUED 3370 - Marching Band Techniques
- Senior recital required.
- Pianists in the Band Concentration will count MUSI 2111: Aural Skills III and MUSI 2112: Aural Skills IV as Area F credits. Pianists in the Band Concentration must take two semesters of MUSI 3333: Accompanying.
- Placement of students in large ensembles is determined by the appropriate large ensemble directors. Students will repeat one large ensemble course three times (MUSI 3343-MUSI 3349). Jazz Ensemble may be used for up to four large ensemble credits only by permission of the Director of Jazz Studies.

Professional Education (P-12) Requirements (34 Credit Hours)

- EDUC 2110 - Investigating Critical and Contemporary Issues in Education
- EDUC 2120 - Sociocultural Influences on Teaching and Learning
- EDUC 2130 - Exploring Teaching and Learning
- INED 4437 - Education for Linguistically Diverse Students
- MUED 3308 - Music Education for Exceptional Students
- MUED 3301 - General Methods, Materials and Curriculum
- MUED 3302 - Choral Methods, Materials, and Curriculum
or
- MUED 3303 - Instrumental Methods, Materials and Curriculum
- MUED 3305 - Educational Literature and Technology
- MUED 4650 - Yearlong Clinical Experience I
- MUED 4660 - Yearlong Clinical Experience II

Program Total (128 Credit Hours)

University-Wide Degree Requirements

See listing of requirements.

Graduation Requirement

Students will be required to pass with a satisfactory grade (S) six semesters of MUAP 1101: Music Symposium, to be eligible to graduate. They must be enrolled every semester in this course until the requirement is accomplished.

Music Minor

Minor in Music
School of Music
(470) 578-6151

<http://www.kennesaw.edu/music/>

Students must be fully accepted into the School of Music as a minor by 1) being accepted into KSU, 2) completing a supplemental music application and 3) completing a successful audition for the music faculty. In order to graduate with a minor in music on the student permanent record,

Note:

Music minors will be required to pass with a satisfactory grade (S) four semesters of MUAP 1101: Music Symposium, to be eligible to graduate. They must be enrolled every semester in this course until the requirement is accomplished.

Program Total (18 Credit Hours)

Music Performance B.M.

Bachelor of Music Degree
College of the Arts, School of Music
(470) 578-6151

This program of study offers a Bachelor of Music degree. Students audition for placement into one of four music performance concentrations (Piano, Voice, Instrumental, Jazz).

Applied Instruction

All three undergraduate music degrees offer applied instruction in piano, voice, flute, oboe, clarinet, bassoon, saxophone, trumpet, horn, trombone, euphonium, tuba, percussion, harp, guitar, violin, viola, cello, and double bass. Only certain applied areas are offered in the jazz concentration within the Bachelor of Music in Performance.

Admission to the School of Music

Admission to all degree programs in the School of Music is contingent upon admission to Kennesaw State University, completion of a supplemental application and successful audition with the School of Music, and demonstration of successful academic performance. All prospective music majors and minors are required to audition for the faculty on their principal instrument or voice. If the student is not accepted based on their first audition, they may complete a second audition for admission in a later term. If, however, they are not accepted after the second audition, the student may not audition again. In order to be eligible for admission to the School of Music, prospective transfer students and current KSU students interested in becoming a music major or minor must have a minimum adjusted GPA of 2.0 to audition and apply for entrance into a music degree program. Applied music study may not be initiated until the student has been fully accepted as a major or minor by the School of Music. All students enrolling at KSU for a second degree in music must meet the same departmental audition requirements required of all incoming students. Prior to admission to a music degree program, the prospective music major/minor is required to submit an application form to the College of the Arts and present an audition in the principal area of applied concentration.

the School of Music. General Requirements A variety of School of Music regulations and policies affect music majors and minors. Included are requirements for recital and ensemble participation, recital and concert attendance, piano proficiency, departmental assessment procedures, and applied juries. Enrollment in an applied area of concentration is required of all music majors as specified in the degree program. Further, music students must be enrolled in an appropriate large ensemble every semester in which the student is enrolled in applied music. The appropriate ensemble director determines a student's large ensemble placement. To earn academic credit toward their degree, music students must earn a grade of "C" or higher in all music courses.

General Education (42 Credit Hours)

See listing of requirements.

Specific General Education requirements for this major

- MUSI 1107 - Music in Society (World Music section)

Lower Division Major Requirements (Area F) (18 Credit Hours)

- MUSI 1121 - Music Theory I
- MUSI 1111 - Aural Skills I
- MUSI 1122 - Music Theory II
- MUSI 1112 - Aural Skills II
- MUAP 1121 - Applied Lessons
- MUAP 1122 - Applied Lessons
- MUAP 2221 - Applied Lessons
- MUSI 1143 - Jazz Ensemble ¹
or Wind Ensemble
- MUSI 1144 - University Philharmonic Orchestra ¹
or
- MUSI 1145 - Wind Symphony ¹
or
- MUSI 1146 - Chamber Singi(L)-0.2.2 6.32 cm 1568.2422 178.32cm BT 50 0 0 50 0 0 Tm /TT2 1 Tf [

or

- MUSI 4431 - Piano Pedagogy II
- MUAP 2222 - Applied Lessons
- MUAP 3321 - Applied Lessons
- MUAP 3322 - Applied Lessons ²
- MUAP 4421 - Applied Lessons
- MUAP 4422 - Applied Lessons ²

¹ Placement of students in large ensembles is determined by the appropriate large ensembles directors. Students will repeat one large ensemble course four times. Jazz Ensemble may be used for up to four large ensemble credits only by permission of the Director of Jazz Studies.

² Recital required.

Major Electives (11 credit hours)

Chosen from any 3000-4000 level music courses.

Voice Concentration

- MUSI 1165 - Class Piano I
- MUSI 1166 - Class Piano II
- MUSI 2221 - Music Theory III
- MUSI 2111 - Aural Skills III
- MUSI 2222 - Music Theory IV
- MUSI 2112 - Aural Skills IV
- MUSI 3320 - Form and Analysis
- MUSI 3311 - History of Music I
- MUSI 3312 - History of Music II
- MUSI 3315 - Vocal Literature
- MUSI 3331 - Choral Conducting
-

¹ Placement of students in large ensembles is determined by the appropriate large ensembles directors. Students will repeat one large ensemble course four times.

² Recital required.

- or
- MUSI 3212 - Jazz Combo ^{3*}
- or
- MUSI 3220 - Percussion Ensemble ^{3*}
- or
- MUSI 3221 - String Ensemble ^{3*}

- MUSI 3344 - University Philharmonic Orchestra ¹
OR
- MUSI 3345 - Wind Symphony ¹
OR
- MUSI 3347 - Wind Ensemble ¹
OR
- MUSI 3348 - Symphony Orchestra ¹

- MUSI 3353 - Jazz Improvisation I
- MUSI 3354 - Jazz Improvisation II
- MUSI 3355 - Jazz Improvisation III
- MUSI 3360 - Jazz Piano
- MUAP 2222 - Applied Lessons
- MUAP 3321 - Applied Lessons
- MUAP 3322 - Applied Lessons ²
- MUAP 4421 - Applied Lessons
- MUAP 4422 - Applied Lessons ²

- MUSI 3211 - Jazz Guitar Ensemble ³
or
- MUSI 3212 - Jazz Combo ³

- MUSI 3390 - Music Entrepreneurship
- MUSI 4436 - Jazz Pedagogy

Students will be required to pass with a satisfactory grade (S) six semesters of MUAP 1101: Music Symposium, to be eligible to graduate. They must be enrolled every semester in this course until the requirement is accomplished.

Graduation Credit Hour Total (123 Credit Hours)

Theatre and Performance Studies B.A.

Bachelor of Arts Degree

College of the Arts, Department of Theatre and Performance Studies
(470) 578-3123

The Bachelor of Arts in Theatre and Performance Studies is fully accredited by NAST (the National Association of Schools of Theatre). Accreditation follows a rigorous evaluation process that includes self-study and peer review. The major provides student artists with a foundation in theatre as an historic, global, and aesthetic form, through the study of a variety of performance texts and styles, from classical and modern drama to musical theatre, folk and literary narratives, performance art, and classical and contemporary poetry. Emphasizing the interrelationship between theory and praxis, the major prepares students for entry into the profession or for graduate study in theatre or other related fields. The Department of Theatre Performance Studies offers a Bachelor of Arts in Theatre and Performance Studies, with concentrations in acting, performance studies, musical theatre and design/technology.

The Department of Theatre and Performance Studies at Kennesaw State University supports the liberal arts mission of the University by engaging students as artists, scholars, and active citizens in their social worlds. Students learn through praxis, encountering performance as the intersection of rigorous critical investigation and practical, engaged, learning. Taking a uniquely holistic view of performance to include the realms of theatrical production, storytelling, dance, performance art, and everyday life, the department challenges students to recognize performance as a method of analysis, a mode of inquiry, and a creative and aesthetic act.

Our program offers a wide range of courses dedicated to developing students as scholar-artists, viewing both live performance as scholarship and writing as a creative act. The program provides opportunities for students to create, witness, and critique performances based on a variety of sources: from dramatic scripts to literary and folk traditions, original ethnographic

Plus one of the following:

- TPS 4813 - Scene Design
- TPS 4823 - Lighting Design for the Stage
- TPS 4833 - Costume Design

*Musical Theatre Concentration**

- TPS 3700 - Music Theory for Musical Theatre
- TPS 3713 - Acting in Musical Theatre
- DANC 3000 - Musical Theatre Dance: Styles I

- TPS 3703 - Musical Theatre History and Literature
OR
- MUSI 3302 - Vocal Literature: Musical Theater AND one Ensemble chosen from:
TPS 4020 - Musical Theatre Ensemble OR MUSI 1146 - Chamber Singers OR
MUSI 1149 - Chorale OR MUSI 3349- Chorale

Note:

* MUSI 1121 Music Theory I, MUAP 3320 Performance - Secondary Applied, and TPS 3320 Musical Theatre Performance: Ap

Free Electives (12 Credit Hours)

Any courses in the university curriculum.

Program Total (120 Credit Hours)

University-Wide Degree Requirements (3 Credit Hours)

See listing of requirements.

- ARCH 3212 - Architecture Structures III: Steel and Wood
- ARCH 4116 -

technological innovation. Moreover, knowledge of cultural diversity, communication, history and criticism is seen as inseparable from the application of such innovation.

- ARCH 1001 - Architecture Studio I
- ARCH 1002 - Architecture Studio II
- ARCH 2003 - Architecture Studio III
- ARCH 2111 - Architecture Culture I: Early Civilizations & Medieval
- ARCH 1241 - Design Communication I
- ARCH 2242 - Design Communication II

Other Requirements Specific to the Major:

- ARCH 1000 - Orientation to Architecture
- ARCH 2004 - Architecture Studio IV
- ARCH 3112 - Architecture Culture II - The Renaissance through 1850
- ARCH 2211 - Architecture Structures I - Introduction to Structures
- ARCH 2311 - Environmental Tech I -Systems Selection and Materials

Upper-Division Major Requirements

- ARCH 3011 - Architecture Studio V
- ARCH 3012 - Architecture Studio VI
- ARCH 3113 - Architecture Culture III - 1850 through 1945
- ARCH 3211 - Architecture Structures II: Concrete and Lateral Loads
- ARCH 3212 - Architecture Structures III: Steel and Wood
- ARCH 3313 - Environmental Technology II: Human Comfort and Building Systems
- ARCH 3314 - Environmental Technology III: Lighting, Electrical and Acoustics
- ARCH 4013 - Architecture Studio VII: Integrative Design
- ARCH 4014 - Architecture Studio VIII: Urban Lab
- ARCH 4114 - Architecture Cultures IV: 1945-Current
- ARCH 4116 - Urban Planning and Design Theory
- ARCH 4117 - Thesis Prep
- ARCH 4224 - Professional Practice I - Codes and Technical Documents
- ARCH 4225 - Professional Practice II - Cost Control
- ARCH 4226 - Professional Practice III - Practice and Ethics
- ARCH 5015 - Focus Studio
- ARCH 5016 - Thesis Research
- ARCH 5017 - Thesis Studio

Electives (17 Credit Hours)*

*The free elective pursued towards the BARCH degree should be at or above the 2000 level or equivalent. Transfer credits not meeting this threshold may be accepted upon review and approval. These criteria will also apply to courses that were completed towards a minor that is no longer pursued.

Program Total: 153 Credit Hours

University-Wide Degree Requirements

Lower Division Requirements (Area F) (18 Credit Hours)

Grade of "C" or higher required.

- CM 1000 - Orientation to Construction and Development
- CM 2000 - Construction Graphics
- CM 2210 - Introduction to Structures
- ACCT 2100 - Introduction to Financial Accounting
- BLAW 2200 -

Land Development Concentration

- CM 3310 - Real Estate Development Practices
- CM 3440 - Heavy Estimating
- CM 3710 - Market and Site Analysis
- CM 4620 - Development Process and Finance

Specialty Construction Concentration

- CM 3280 - Building Mechanical and Electrical Codes and Loads
- CM 3480 - Mechanical and Electrical Systems Estimating
- CM 4190 - Sustainable Operation & Maintenance
- CM 4480 - Design/Build MEP Systems

Heavy Construction Concentration

- CM 3170 - Heavy Construction Practices
- CM 3440 - Heavy Estimating
- CM 4230 - Heavy Materials & Temporary Structures
- CM 4660 - Advanced Scheduling & Project Management

Facility Management Certificate

The Facility Management Certificate program is designed to provide students with the skills related to the ongoing operation of built environments in accordance with IFMA eleven core competencies. This Certificate program requires 18 credit hours and can potentially be completed in one year.

Core Courses (12 Credit Hours)

- CM 3180 - Mechanical and Electrical Building Systems
- CM 3270 - Facility Management Strategies
- CM 3290 - Facilities Management Practices
- CM 4190 - Sustainable Operation & Maintenance

Electives (6 Credit Hours)

Choose two of the following:

- CM 3110 - Residential and Light Construction Methods
- CM 3190 - Sustainable Construction
- CM 3310 - Real Estate Development Practices
- CM 3400 - Risk and Quality Management
- CM 3410 - Construction Quantity Surveying
- CM 3800 - Construction Finance
- CM 4620 - Development Process and Finance

Program Total (18 Credit Hours)

Land Development Certificate

In addition to providing a students with a core knowledge of construction materials and methods, the Certificate in Land Development is designed for those with an interest in the pre-construction process, including market analysis, site planning, development law and finance. This Certificate program requires 18 credit hours and can potentially be completed in one year.

Core Courses (12 Credit Hours)

- CM 3310 - Real Estate Development Practices
- CM 3710 - Market and Site Analysis
- CM 3800 - Construction Finance
- CM 4620 - Development Process and Finance

Electives (6 Credit Hours)

Choose 2 from the following courses:

- CM 3000 - Computer Applications in Construction
- CM 3040 - Building Information Modeling I
- CM 3110 - Residential and Light Construction Methods
- CM 3190 - Sustainable Construction
- CM 3400 - Risk and Quality Management
- CM 3410 - Construction Quantity Surveying
- CM 3440 - Heavy Estimating
- CM 4760 - Construction and Real Estate Property Law

Program Total: (18 Credit Hours)

Project Management Certificate

The Certificate in Project Management is designed to provide students with skills used by construction managers, such as estimating, scheduling and general knowledge on how to management construction projects. This Certificate program requires 18 credit hours and can potentially be completed in one year.

Core Courses (12 Credit Hours)

- CM 2000 - Construction Graphics
- CM 3000 - Computer Applications in Construction
- CM 3110 - Residential and Light Construction Methods
- CM 4560 - Construction Project Management

Electives (6 Credit Hours)

Choose 2 of the following courses:

- CM 3040 - Building Information Modeling I
- CM 3190 - Sustainable Construction
- CM 3410 - Construction Quantity Surveying
- CM 3420 - Construction Estimating and Bid Preparation
- CM 4510 - Construction Scheduling
- CM 4660 - Advanced Scheduling & Project Management
- CM 4710 - Construction Safety
- CM 4760 - Construction and Real Estate Property Law

Program Total: (18 Credit Hours)

Speciality Construction Certificate

The Specialty Construction Certificate program is designed for students who are interested in mechanical, electrical and plumbing projects, with an emphasis on energy project management. This Certificate program requires 18 credit hours and can potentially be completed in one year,

Core Courses (12 Credit Hours)

- CM 3180 - Mechanical and Electrical Building Systems
- CM 3280 - Building Mechanical and Electrical Codes and Loads
- CM 3480 - Mechanical and Electrical Systems Estimating
- CM 4190 - Sustainable Operation & Maintenance

Electives (6 Credit Hours)

- ACST 4320 - Data Warehousing and Mining

Pick one from the following concentrations:

Media-Production Concentration (9 Credit Hours)

- MATH 3260 - Linear Algebra I
- CGDD 4113 - 3D Modeling and Animation
- CGDD 4603 - Production Pipeline and Asset Management

Distributed-Mobile Concentration (9 Credit Hours)

- SWE 3683 - Embedded Systems Analysis and Design
- CS 4504 - Distributed Computing
- CS 4622 - Computer Networks

Educational-Serious Concentration (9 Credit Hours)

- Two approved Communication courses (6 credit hours)
- CGDD 4313 - Designing Online Learning Content and Environments

Planning-Management Concentration (9 Credit Hours)

Pick three:

- MGT 3100 - Management and Behavioral Sciences
- MGT 4121 - Entrepreneurship and Creativity
- MGT 4122 - Venture Analysis
- MGT 4185 - Technology Management
- SWE 3623 - Software Systems Requirements
- SWE 4663 - Software Project Management

Simulations-Informatics (9 Credit Hours)

- CSE 3153 - Database Systems
- CGDD 4703 - Data Modeling and Simulation
- CS 4472 - Distributed Computing

Program Total (120-121 Credit Hours)

University-Wide Degree Requirements

See listing of requirements.

Computer Science B.S.

- CS 4491 - Advanced Topics in Computer Science
- CS 4472 - Distributed Computing
- CS 4400 - Directed Studies

Free Electives (5 Credit Hours)

Any courses in the university curriculum.

Program Total (120 Credit Hours)

University-Wide Degree Requirements

See listing of requirements.

Note: Program is exempt from the WELL 1000 course requirement

Graduation Credit Hour Total (120 Credit Hours)

Computer Science Minor

For students interested in developing their knowledge and credentials in the computing area. The minor is approachable for students from a variety of majors with a technical interest, with MATH1112 or

Program Total (17 Credit Hours)

Health Information Technology (HIT) Certificate

College of Computing and Software Engineering
Information Technology Department

General Education (43-44 Credit Hours)

See listing of requirements.

The area A math requirement is (MATH 1111 and MATH 1112) or MATH 1113, and the area D math requirement is MATH 1190 (Calculus I) or MATH 1160 Elementary Applied Calculus). The BSIT area B requires COM 1100 Human Communication.

Lower Division Major Requirements (Area F) (18 Credit Hours)

- TCOM 2010 - Technical Writing
- MATH 2332 - Probability and Data Analysis
or
- MATH 1107 - Introduction to Statistics

- CS 1301 - Programming Principles I

Electives (9 Credit Hours)

Student must complete three of the following courses with a grade of "C" or better:

- IT 4123 - Electronic Commerce
- IT 4323 - Data Communications & Networking
- IT 4833 - Wireless Security
- IT 3123 - Hardware and Software Concepts
- IT 3203 - Introduction to Web Development
- CSE 3153 - Database Systems

- SWE 4324 - User-Centered Design

Program Total (121 Credit Hours)

University-Wide Degree Requirements

See listing of requirements.

Note:

All IT, CS, CSE AND SWE designator courses must have a grade of "C" or better.

Software Engineering Minor

Required Courses

- CSE 1302 - Programming and Problem Solving II
 - SWE 3313 - Introduction to Software Engineering
 - Three additional upper-level SWE courses (9 Credit Hours)
- Note: CSE 1302 has a prerequisite of CSE 1301.

Program Total (16 Credit Hours)

Software Engineering, B.S.

Software Engineering represents the fastest growing segment of software professionals -

- SWE 3643 - Software Testing & Quality Assurance
- SWE 4324 - User-Centered Design
- SWE 4663 - Software Project Management
- SWE 4713 - SWE Application Domain
- SWE 4724 - Software Engineering Project

***Students should not take both trigonometry- and calculus-based physics courses; for example, if a student takes PHYS 2211, they should not take PHYS 1111.

Upper Level Electives (6 Credit Hours)

The SWE Upper Level Electives require six credits from the courses below, at least one of which is an SWE course:

- CSE 4983 - CSE Computing Internship
- SWE 3683 - Embedded Systems Analysis and Design
- SWE 3843 - Embedded Systems Construction and Testing
- SWE 4633 - Component-Based Software Development
- SWE 4743 - Object-Oriented Development
- SWE 4783 - User Interaction Engineering
- CGDD 4003 - Digital Media and Interaction

Leadership and Career Program

The Leadership and Career Program is a sequence of three courses you must complete as part of your B.B.A. degree. This program is designed to help you succeed in your Major and to effectively compete in the job market. The three required courses are:

- BUSA 2150 Discovering My Major and Career
- BUSA 3150 Developing My Career Essentials
- BUSA 4150 Driving My Success

You should take BUSA 2150 as soon as you have completed its prerequisite of ENGL 1102. Successful completion of this course is a requirement for admission to the Coles Undergraduate Professional Program (see later section). The second and third courses cannot be taken until after you are admitted to Coles. BUSA 3150 is a prerequisite for BUSA 4150.

Sophomore GPA Requirement

Before a business major can be admitted to the Coles College Undergraduate Professional Program and enroll in any upper-division business courses (3000-4000 level), she or he must meet the Coles Sophomore GPA Requirement. This involves earning an Adjusted GPA of 3.00 or greater for the following eight courses:

- MATH 1160 Elementary Calculus with Applications (or MATH 1190-Analytic Geometry and Calculus I)
- ACCT 2100 Introduction to Financial Accounting
- ACCT 2200

Details about other admission requirements may be obtained from the Business Undergraduate Advising Center (BB 431).

Business majors must apply for and be accepted for admission into the Coles Undergraduate Professional Program in order to take upper-division business courses and to graduate with a B.B.A. degree. The application should be completed and submitted online through your OwlExpress account.

The B.B.A. degree will not be awarded to anyone who has not met the Sophomore GPA Requirement and been admitted to the Coles Undergraduate Professional Program, or to anyone who has not completed our required Leadership and Career Program.

Other KSU Requirements

In order to receive a degree from Kennesaw State University, a student must meet KSU's residency, grade, and graduation requirements. Some of those requirements are summarized here for convenience. Students should check other sections of this KSU Undergraduate Catalog for a complete listing of KSU requirements.

Business majors must earn a minimum of 45 hours of credit in upper-division business courses. Business majors must complete at least 33 hours of business courses in residence at KSU. All business majors except for Accounting must complete at least 12 hours of their Major Field Requirements and Major Field Electives at KSU. Accounting Majors must complete at least 18 hours of their Major Field Requirements and Major Field Electives at KSU. All students must complete at least 20 of the last 30 semester hours immediately preceding graduation at KSU. Certain B.B.A. courses must be taken at Coles, and there are restrictions on the business courses that may be taken via education abroad options. Students should check with a Coles College Professional Advisor about these restrictions prior to signing up for a study abroad course or semester abroad. Credit for courses taken at other colleges and universities (whether in the U.S. or abroad) will not be given if:

1. the institution does not have acceptable accreditation,
2. the courses were not taken at the same or higher level than comparable courses offered at Kennesaw State University,
3. the courses do not have substantially the same content and rigor, or
4. the courses are too old.

All business majors must earn a grade of "C" or higher in all business courses counted toward their degree. All business majors must earn a grade of "C" or higher in any non-business courses counted in the Major Field section of their degree. Accounting Majors must earn a grade of "B" or higher in ACCT 2100 and ACCT 2200. International Business Majors must earn a grade of "C" or higher in all courses used to satisfy their Foreign Language Requirement and their Education Abroad Requirement.

Students must always meet current course prerequisites, regardless of when they first started at KSU. Always check the most recent KSU Undergraduate Catalog for current course

of Georgia requires everyone who wishes to be licensed as a CPA to have five years of education (150 semester hours), including a baccalaureate degree. Completion of 123 hours is required to earn the Bachelor's degree; hence 27 additional hours are needed to become a CPA. While these can be undergraduate hours, the faculty recommends that prospective CPAs earn a specialized Master's degree in Accounting to satisfy the five-year requirement.

- ACCT 2100 - Introduction to Financial Accounting
- ACCT 2200 - Introduction to Managerial Accounting
- BLAW 2200 - Legal and Ethical Environment of Business
- ECON 2100 - Principles of Microeconomics (hours counted in General Education)
- ECON 2200 - Principles of Macroeconomics
- ECON 2300 - Business Statistics
- IS 2200 - Information Systems and Communication

Leadership and Career Program (0 Credit Hours)

- BUSA 2150 - Discovering My Major and Career
- BUSA 3150 - Developing My Career Essentials
- BUSA 4150 - Driving My Success

- ACCT 4200 - Advanced Managerial Accounting
- ACCT 4250 - Advanced Taxation
- ACCT 4300 - International Accounting
- ACCT 4350 - Accounting Systems Audit and Control
- ACCT 4600 - Governmental and Not-for Profit Accounting
- ACCT 4700 - Valuation of Closely Held Businesses
- ACCT 4800 - Fraud and Forensic Accounting
- ACCT 4400 - Directed Study
- ACCT 4490 - Special Topics in Accounting

Business Electives (6 Credit Hours)

- Six hours of credit from upper-

Graduation Credit Hour Total (123 Credit Hours)

Accounting Minor

Coles College of Business
School of Accountancy
(470) 578-6084
<http://coles.kennesaw.edu/>

The School of Accountancy aspires to be a nationally recognized leader in influencing the accounting profession by educating our students, performing relevant research, and engaging with the profession.

Accounting provides the tools to measure, interpret, and communicate economic information for decision-making. A basic understanding of financial and managerial accounting information is necessary for all business majors. The Accounting Minor expands their knowledge of

Program Total (15 credit hours)

*Note:

*An extra prerequisite course (which does not count toward the Minor) is required to take this course.

Business Fundamentals Certificate - Embedded

Coles College of Business
Office for Undergraduate Programs
(470) 578-6055
<http://coles.kennesaw.edu/>

The Certificate in Business Fundamentals includes foundation courses in several business functional areas. It is designed to help non-business majors learn business concepts, principles, and skills that ca

Business Law Minor

Coles College of Business
School of Accountancy
(470) 578-6084
<http://coles.kennesaw.edu/>

The Business Law (BLAW) Minor prepares students for living and working with the law. It helps students understand legal issues related to business, and addresses ethical issues arising in business internal and external relationships. Completing the BLAW Minor will benefit students interested in law school.

Students completing a Business Law Minor must earn a grade of "C" or higher in all BLAW courses.

Required Course (3 Credit Hours)

- BLAW 2200 - Legal and Ethical Environment of Business

Select four of the following (12 Credit Hours)

- BLAW 3400 - Negotiation
- BLAW 4100 - Advanced Business Law
- BLAW 4200 - Employment Law
- BLAW 4300 - Real Estate Law
- BLAW 4500 - Franchise Law
- BLAW 4600 - International Law: Business Applications
- BLAW 4960 - Current Issues in Business Ethics and Law

Program Total (15 Credit Hours)

Coles Scholars Minor

Coles College of Business
Office for Undergraduate Programs
<http://coles.kennesaw.edu/>

The Coles College Scholars Program provides exceptional business students with unique and challenging opportunities through a coordinated multi-year program focused on leadership development, integrated and international studies, community engagement and mentorship. Participants must apply, and are screened and selected annually through a rigorous application and interview process.

Required Courses

- C SCH 4010 - Applied Leadership in Business
- C SCH 4020 - Critical Thinking and Decisi.2 (y) 0.2 50 0 0 5M2 (a) 0.2 (nd) -0.2 (ng) 0.2 ET q 0.24

The Coles College of Business has special admission, progression, and graduation requirements that must be met by students seeking the B.B.A. degree. In order to be able to take upper-division courses in Economics and graduate with an Economics B.B.A., students must successfully complete BUSA 2150 and the Coles College Sophomore GPA Requirement, and be admitted to the Coles Undergraduate Professional Program. Admission to the Coles Undergraduate Professional Program is separate from admission to Kennesaw State University. In addition, all business majors must earn a grade of "C" or better in all business courses counted toward their degree.

View the special admission, progression, and graduation requirements of the Coles College of Business.

General Education (42 Credit Hours)

See listing of requirements.

Specific General Education Requirements for this Major:

In Area A:

- MATH 1111 - College Algebra
or
- MATH 1112 - College Trigonometry
or
- MATH 1113 - Precalculus

In Area D:

- MATH 1160 -

Leadership and Career Program (0 Credit Hours)

- BUSA 2150 - Discovering My Major and Career
- BUSA 3150 - Developing My Career Essentials
- BUSA 4150 - Driving My Success

Upper Division Major Requirements (45 Credit Hours)

Upper Division Business Core (18 Credit Hours)

- ECON 3300 -

Coles College of Business
Department of Marketing & Professional Sales
(470) 578-6060
<http://coles.kennesaw.edu/>

Learn how to take advantage of digital, mobile, multi-, and traditional media to engage with customers with an Engagement Marketing Minor. Whether one desires to work in social media, advertising, or a related field, this program will provide an understanding of the key components and dynamic relationship between brands and consumers.

Required Courses (9 Credit Hours)

- MKTG 3100 - Principles of Marketing
- MKTG 4520 - Social Media Marketing
- MKTG 4650 - Advertising

Select two of the following (6 Credit Hours)

- MKTG 3150 - Consumer Behavior
- MKTG 3800 - Entertainment Marketing
- MKTG 4500 - Internet Marketing and Global Business
- MKTG 4670 - Promotional Strategy
- MKTG 4880 - Hospitality and Tourism Marketing

Program Total (15 Credit Hours)

Entrepreneurship Minor

Coles College of Business
Department of Management and Entrepreneurship
(470)578-6552
<http://coles.kennesaw.edu>

The Entrepreneurship Minor is open to all undergraduate students. Students gain an understanding of an entrepreneurial orientation in a variety of settings including new venture creation, social stewardship, family business, government operations, and corporate endeavors.

Requirements for Business Majors

Required Courses (12 credit hours)

- ENTR 4001 - Entrepreneurial Mind
- ENTR 4002 - Venture Creation
- ENTR 4003 - Venture Funding

- ENTR 4004 - Venture Commercialization

Select one of the following (3 credit hours)

- ACCT 4700 - Valuation of Closely Held Businesses
- ENTR 4400 - Directed Study
- ENTR 4490 - Special Topics in Entrepreneurship
- FIN 4260 - Short Term Financial Management
- MGT 4122 - Venture Analysis
- MGT 4123 - Family Business Management
- MGT 4124 - Franchise Management
- MGT 4125 - International Entrepreneurship
- MGT 4130 - Commercial Real Estate Ventures
- MGT 4173 - Human Resource Selection
- MGT 4185 - Technology Management
- MGT 4200 - Family Business Consulting
- MGT 4700 - Hospitality Management
- MGT 4850 - Managing Process Improvement
- MKTG 3410 - Professional Selling
- MKTG 4520 - Social Media Marketing
- MKTG 4666 - Marketing for Entrepreneurs
- MKTG 4850 - Business to Business Marketing

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quantitative analysis in a global business environment. Finance is an analytical discipline dealing with the acquisition and distribution of funds, financial statement analysis, security analysis, risk

Lower Division Business Core (Area F) (18 Credit Hours)

- ACCT 2100 - Introduction to Financial Accounting
- ACCT 2200 - Introduction to Managerial Accounting
- BLAW 2200 - Legal and Ethical Environment of Business
-

- ECON 4210 -

Non-Business Electives (3 Credit Hours)

Three hours of credit from any lower-division (1000-2000 level) or upper-division (3000-4000 level) non-business courses offered at Kennesaw State.

Program Total (120 Credit Hours)

University-

Information Security Certificate - Stand-Alone and Embedded

Coles College of Business
Department of Information Systems (IS)
(470) 578-7763
<http://coles.kennesaw.edu/>

The Certificate in Information Security and Assurance is designed for students with an interest in Information Security and its application in the expanding field of technology. The certificate program emphasizes the skills and knowledge necessary to protect and inspect systems, and to detect and react to threats to the security of information in those systems. The certificate

- ECON 2100 - Principles of Microeconomics

Select 6 credit hours from the following:

- IS 3080 - Information Resource Management
- IS 3560 - Business Process Management
- IS 3720 - Advanced IT Project Management
- IS 3740 - Human Computer Interaction
- IS 3760 - Web Development II
- IS 3920 - Application Development II
- IS 4400 - Directed Study
- IS 4490 - Special Topics
- IS 4540 - Data Mining
- IS 4560 - e-

Information Systems Minor

Coles College of Business
Department of Information Systems
(470) 578-7763

Program Total (18 Credit Hours)

Elective:

Select one (not used above) from the following:

- COM 2135 - Writing for Public Communication
- COM 2230 - Introduction to Mass Communication
- JOUR 3310 - Concepts in New Media
- JOUR 3340 - Digital Media Production
- COM 4490 - Special Topics in Communication
- ECON 2100 - Principles of Microeconomics
- FILM 3105 - Fundamentals of Writing for Film and Television
- MEBU 4490 - Special Topics in the Music and Entertainment Business
- MGT 3100 - Management and Behavioral Sciences
- MGT 3190 - Business, Ethics, and Society
- MGT 3600 - Introduction to International Business
- MGT 4121 - Entrepreneurship and Creativity
- MKTG 3100 - Principles of Marketing
- MKTG 3800 - Entertainment Marketing
- MKTG 4500 - Internet Marketing and Global Business
- MKTG 4650 - Advertising
- MUSI 1107 - Music in Society
- MUSI 1110 - Introduction to World Music
- MUSI 3411 - Survey of African-American Music
- MUSI 4412 - Introduction to American Music

For Bachelor of Music (BM) Candidates:

Required:

-

Select two (not used above) of from the following:

- COM 2135 - Writing for Public Communication
- COM 2230 - Introduction to Mass Communication
- JOUR 3310 - Concepts in New Media
- JOUR 3340 - Digital Media Production
- COM 4490 - Special Topics in Communication
- ECON 2100 - Principles of Microeconomics
- FILM 3105 - Fundamentals of Writing for Film and Television
- MEBU 4490 - Special Topics in the Music and Entertainment Business
- MGT 3100 - Management and Behavioral Sciences
- MGT 3190 - Business, Ethics, and Society
- MGT 3600 - Introduction to International Business
-

- FILM 3105 - Fundamentals of Writing for Film and Television
- MEBU 4490 - Special Topics in the Music and Entertainment Business
-

- MKTG 3800 - Entertainment Marketing
- MKTG 4500 - Internet Marketing and Global Business
- MKTG 4650 - Advertising

Specific General Education requirements for this Major:

In Area A:

- MATH 1111 - College Algebra
or
- MATH 1112 - College Trigonometry
or
- MATH 1113 - Precalculus

In Area B:

- FL 1002 -

- BUSA 2150 - Discovering My Major and Career
- BUSA 3150 - Developing My Career Essentials
- BUSA 4150 - Driving My Success

Upper Division Major Requirements (48 Credit Hours)

Upper Division Business Core (18 Credit Hours)

- ECON 3300 - Applied Statistical and Optimization Models
- FIN 3100 - Principles of Finance
- MKTG 3100 - Principles of Marketing
- MGT 3100 - Management and Behavioral Sciences
- MGT 3200 - Operations Management
- MGT 4199 - Strategic Management

Information Technology Requirement (3 Credit Hours)

- IS 3100 - Information Systems Management

Major Field Requirements (15 Credit Hours)

- MGT 3600 - Introduction to International Business
- ECON 4410 - International Trade and Finance
- FIN 4420 - International Financial Management
- MGT 4190 - International Management
- MKTG 4820 - International Marketing

Major Field Electives (9 Credit Hours)

Select 9 credit hours from the following:

- BUSA 3500 - Culture & International Business
 - ECON 4310 - Economic Development in Global Perspective
 - IS 3220 - Global IS Project Management
 - IS 4860 - Global Information Systems Strategy
 - MGT 4125 - International Entrepreneurship
 - MGT 4174 - International Human Resource Management
 - MGT 4800 - International Supply Chain Management
 - MGT/MKTG 4476 - Contemporary Global Business Practices
 - MKTG 4500 - Internet Marketing and Global Business
 - ASIA 3355 - Cultures and Capitalisms in Asia
 - ASIA 3950 - Technology Strategy in Asia
 - LDRS 3200 - Leadership in a Global Society
 - CHNS 4404 - Commercial Chinese
- or

- FREN 4404 - Commercial French
or
- GRMN 4404 - Commercial German
or
- SPAN 4404 - Commercial Spanish

- GEOG 3312 - Geography of Europe
or
- GEOG 3330 - Economic Geography
or
- GEOG 3350 - Geography of Sub-Saharan Africa
or
- GEOG 3360 - Geography of Asia
or
- GEOG 3370 - Geography of Latin America and the Caribbean

- Other business and non-business courses that have appropriate international and/or business content might be approved by the Executive Director of the B.B.A. Program. These courses should not be taken prior to receiving the Executive Director's pre-approval.

Business Elective (3 Credit Hours)

Three hours of credit from upper-division (3000/4000) course offerings inside the Coles College of Business. (A maximum of three hours of credit in Internships may be used in this area. Internships cannot be used in any other area.) See a Coles Professional Advisor before taking MGT courses to count here - some MGT courses cannot be used here.

Education Abroad Requirement

The International Business B.B.A. degree requires that six credit hours used towards meeting the above requirements be earned in an approved Education Abroad program(s), and that at least 3 of these credit hours are for a business or a foreign language course. These courses used to satisfy this requirement must be approved by the Executive Director of the B.B.A. Program and should not be taken prior to receiving the Executive Director's pre-approval.

Program Total (120 Credit Hours)

University-Wide Degree Requirements (3 Credit Hours)

Management B.B.A.

Bachelor of Business Administration Degree
Coles College of Business
Department of Management & Entrepreneurship
(470) 578-6552
<http://coles.kennesaw.edu/>

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And select 3 credit hours from the following international courses:

Managing Globally: Management Majors are required to show competency in managing within the global context.

- MGT 4125 - International Entrepreneurship
- MGT 4174 - International Human Resource Management
- MGT 4190 - International Management
- MGT 4476 - Contemporary Global Business Practices
- MGT 4800 - International Supply Chain Management

Major Field Electives (9 Credit Hours)*

Select 9 credit hours from the following, other than the course used above:

- MGT 3190 - Business, Ethics, and Society
- MGT 3600 - Introduction to International Business
- MGT 4121 - Entrepreneurship and Creativity
- MGT 4122 - Venture Analysis
- MGT 4123 - Family Business Management
- MGT 4124 - Franchise Management

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Nine hours of credit from upper-division (3000/4000) course offerings outside the Major, but inside the Coles College of Business. MGT courses cannot be used here. (A maximum of nine hours of credit in Management Co-Ops and Internships may be used in this area. Co-Ops and Internships cannot be used in any other area.)

Non-Business Electives (6 Credit Hours)

Six hours of credit from any lower-division (1000/2000) or upper-division (3000/4000) non-business courses offered at Kennesaw State.

Program Total (120 Credit Hours)

University-Wide Degree Requirements (3 Credit Hours)

See listing of requirements.

Note:

Students following this Catalog for the B.B.A. with a Management Major cannot use MGT 4120, MGT 4160, or MGT 4170 in the Major Field Electives section or anywhere else.

***Guidance for Selecting Major Field Electives:**

If you are interested in a particular area of Management, following are some suggested courses related to three areas of specialization: Human Resource Management, Entrepreneurship, and Operations and Supply Chain Management.

I. Human Resource Management

- MGT 4171 - Employee and Labor Relations
- MGT 4172 - Compensation and Reward Systems
- MGT 4173 - Human Resource Selection
- MGT 4174 - International Human Resource Management

II. Entrepreneurship

- MGT 4121 - Entrepreneurship and Creativity
- MGT 4122 - Venture Analysis
- MGT 4123 - Family Business Management
- MGT 4124 - Franchise Management
- MGT 4130 - Commercial Real Estate Ventures

III. Operations and Supply Chain Management

- MGT 4800 - International Supply Chain Management
- MGT 4850 - Managing Process Improvement

- MGT 4860 - Quality Management
- MGT 4880 - Service Operations Management

Graduation Credit Hour Total (123 Credit Hours)

Management Minor

Coles College of Business
Department of Management & Entrepreneurship
(470) 478-6552
<http://coles.kennesaw.edu/>

The Management Minor is open to all undergraduate students. Students gain an understanding of the organizational processes of planning, organizing, staffing, directing, and controlling activities that result in the achievement of a common goal.

Requirements for non-business majors:

- MGT 3100 - Management and Behavioral Sciences
- MGT 4001 - Managing Organizations
- three (3) 4000-level MGT courses, except NOT MGT 4199

Program Total (15 Credit Hours)

Requirements for business majors:

- MGT 4001 - Managing Organizations
- four (4) 4000-level MGT courses, except NOT MGT 4199

Program Total (15 Credit Hours)

Marketing B.B.A.

Bachelor of Business Administration Degree
Coles College of Business
Department of Marketing & Professional Sales
(470) 578-6060
<http://coles.kennesaw.edu/>

Marketing affects us every day of our lives. A field devoted to promoting an organization's goods and services to potential customers, marketing helps deliver to average consumers a standard of living that would have been inconceivable to previous generations.

Majoring in marketing can lead to a personally satisfying and financially rewarding career in the fields of marketing, sales, or sales management. The marketing curriculum merges marketing theory with real-world practice to prepare students for working with either for-profit or nonprofit organizations. Students may choose a general program of study or one of the specialized paths including channels marketing, social media and engagement marketing, sports and hospitality marketing, and professional sales.

The Coles College of Business has special admission, progression, and graduation requirements that must be met by students seeking the B.B.A. degree. In order to be able to take upper-

- ACCT 2100 - Introduction to Financial Accounting
- ACCT 2200 - Introduction to Managerial Accounting
- BLAW 2200 - Legal and Ethical Environment of Business
- ECON 2200 - Principles of Macroeconomics
- ECON 2300 - Business Statistics
- IS 2200 - Information Systems and Communication

Leadership and Career Program (0 Credit Hours)

- BUSA 2150 - Discovering My Major and Career
- BUSA 3150 - Developing My Career Essentials
- BUSA 4150 - Driving My Success

Upper Division Major Requirements (48 Credit Hours)

- MKTG 4490 - Special Topics in Marketing
- MKTG 4500 - Internet Marketing and Global Business
- MKTG 4520 - Social Media Marketing
- MKTG 4620 - Services Marketing
- MKTG 4630 - Direct Response Marketing
- MKTG 4650 - Advertising
- MKTG 4666 - Marketing for Entrepreneurs
- MKTG 4670 - Promotional Strategy
- MKTG 4750 - Advanced Selling
- MKTG 4850 - Business to Business Marketing
- MKTG 4870 - Sports Marketing
- MKTG 4880 - Hospitality and Tourism Marketing

Business Electives (6 Credit Hours)

- 6 hours of credit from upper-division (3000/4000) course offerings outside the Major, but inside the Coles College of Business. MKTG courses cannot be used here. (A maximum of 6 hours of credit in Marketing Co-Ops and Internships may be used in this area. Co-Ops and Internships cannot be used in any other area.) See a Coles Professional Advisor before taking MGT courses to count here - some MGT courses cannot be used here.

Non-Business Electives (6 Credit Hours)

- 6 hours of credit from any lower-division (1000/2000) or upper-division (3000/4000) non-business courses offered at Kennesaw State.

Program Total (120 Credit Hours)

University-

(470) 578-6060

<http://coles.kennesaw.edu/>

In its role as the "central function of business" (P. Drucker), a Marketing Minor fits nicely with anyone pursuing a degree in another area of business. Marketing also serves as a complement to many non-business degrees for individuals expecting to own their own practices or businesses.

Required Courses (15 credit hours)

- MKTG 3100 - Principles of Marketing

••

Management Majors cannot use courses being counted toward an Operations & Purchasing Minor as Business Electives, because your Business Electives cannot have a MGT prefix.

- MKTG 4430 - Market Analysis
- MKTG 4450 - Sales Management
- MKTG 4750 - Advanced Selling
- MKTG 4820 - International Marketing
- MKTG 4850 - Business to Business Marketing

Major Field Electives (6 Credit Hours)

Select 6 credit hours from the following:

- MKTG 3150 - Consumer Behavior
- MKTG 3800 - Entertainment Marketing
- MKTG 4100 - Marketing Research
- MKTG 4300 - Basic Retailing
- MKTG 4350 - Retail Management
- MKTG 4400 - Directed Study
- MKTG 4476 - Contemporary Global Business Practices
- MKTG 4490 - Special Topics in Marketing
- MKTG 4500 - Internet Marketing and Global Business
- MKTG 4520 - Social Media Marketing
- MKTG 4620 - Services Marketing
- MKTG 4630 - Direct Response Marketing
- MKTG 4650 - Marketing

See listing of requirements.

Graduation Credit Hour Total (123 Credit Hours)

Professional Sales Minor

Coles College of Business
Department of Marketing & Professional Sales
(470) 578-6060

PTEU conceptual framework, expertise is viewed as a process of continued development, not an end-state. To be effective, teachers and educational leaders must embrace the notion that

- Formal Admission to Teacher Education-Impey Teacher Education Advisement Center, located in Education Student Services (ESS)
- General Program Advisement-Impey Teacher Education Advisement Center, located in Education Student Services (ESS), and specific program areas
- Admission to Student Teaching-Center for Educational Placement and Partnerships (CEPP)
- Recommendations for Teacher Certification- Impey Teacher Education Advisement Center, located in Education Student Services (ESS)
-

College of Humanities & Social Sciences

- 6-12 English Education (Department of English)
- 6-12 History Education (Department of History & Philosophy)
- P-12 Teacher Certification in Foreign Language Education Concentration (Department of Foreign Languages)

College of Science and Mathematics

- 6-12 Biology Education

provides guidance for admission into graduate programs. ESS also disseminates student scholarship and award information, club and organization information and recruits for high needs programs. Recommendations for teacher certification are completed by the certification officer, who resides in ESS.

The Teacher Resource and Activity Center (TRAC) serves teacher candidates and in-service candidates and teachers with a curriculum and textbook library and a media resource center for the design and development of instructional materials.

The KSU iTeach Center (iTeach) is a collaborative partnership between the Bagwell College of Education and the Metropolitan Regional Educational Service Agency (MRESA). The iTeach Center's mission is to help teachers and students achieve their best possible future through the use of advanced educational technologies. The iTeach Center serves both public and private schools in Georgia.

Under the leadership of the Associate Dean for Assessment and Accreditation, the Research and Assessment in Teacher Education Unit coordinates the PTEU's data collection, institutional research, and assessments for reporting and program improvement purposes.

The Center for Educational Placements and Partnerships (CEPP) develops and promotes partnerships and collaborative efforts with the university, the community, and schools to advance public P-12 education. The director and center personnel working with teacher education faculty and appropriate school personnel, plan and implement the selection of school sites and classrooms appropriate to the needs of Kennesaw State University candidates and the goals of the Professional Teacher Education Unit. The Center supports teacher development from pre

Admission to teacher education is separate from admission to Kennesaw State University. Candidates typically apply for admission to Teacher Education as sophomores after having completed most of their general education requirements. Applications for admission to Teacher Education should be submitted online through the student's Owl Express Account under the "Student Services" menu.

A criminal history background check will be performed prior to admission to Teacher Education. In addition, if determined by the background check that a student is a multi-state offender, the student will be required to pay a fee and be fingerprinted. Results of either the criminal history background check and/or fingerprinting may preclude admission to teacher education. For more information on the criminal history process, students should contact the Center for Education Placements and Partnerships (CEPP).

In order to be considered for admission to teacher education programs, candidates must have completed the following requirements:

- 1.

Pass or exempt* the GACE Program Admission Assessment Tests (200, 201, & 202 or combined test 700) regardless of matriculation date.
Complete the Georgia Educator Ethics Program Entry exam (350).

5. Some degree programs in teacher education have additional admissions requirements. It is the student's responsibility to consult those departments and program advisors.

* The GACE Program Admission Assessment tests are comprehensive exams covering reading, writing, and mathematics. Regardless of matriculation date, the GACE Program Admission Assessment tests are a requirement for entrance into the Teacher Education Program at Kennesaw State University. Candidates should plan to take the tests prior to applying to the Teacher Education Program. Students with the following minimum scores on Collegiate SAT, ACT or GRE examinations may exempt GACE Program Admission Assessment by submitting proof of scores to the Certification Officer located in the William D. Impey Teacher Education Advisement Center, located in Education Student Services (ESS):

SAT: at least 1000 (Critical Reading and Mathematics)

ACT: at least 43 (English and Mathematics)

GRE: at least 1030 (Verbal and Quantitative)

at least 297 (Verbal and Quantitative) 08/01/2011 and after

Candidates who believe they qualify for this exemption should see the Certification Officer in

A criminal history background check will be performed prior to admission to Teacher Education and when the Pre-Service Certificate is issued by the Georgia Professional Standards Commission (PSC). In addition, if determined by the background check that a student is a multi-state offender, the student will be required to pay a fee and be fingerprinted. Results of either the criminal history background check and/or fingerprinting may preclude continuation in the program.

Formal application to YCE/Student Teaching must be completed and submitted to the Center for Education Placements and Partnerships. Candidates become eligible to participate in YCE/Student Teaching by meeting the following requirements:

1. Achieved grades of "C" or higher in all Lower Division Major Requirements (Area F) teaching field and professional education coursework.
2. Achieved a 2.75 adjusted or cumulative GPA in all coursework at Kennesaw State University.
3. Receive positive evaluations in field experiences.
4. Have no reports of unprofessional behavior in all classes, field experiences, and interactions with peers and faculty.
5. Possess a Pre-Service Certificate from the State of Georgia Professional Standards Commission (PSC).
- 6.

Completion of Yearlong Clinical Experience/Student Teaching

Candidates demonstrate their achievement of the intended outcomes of YCE/Student Teaching through successful completion of the following:

-

area using the "YCE/Student Teacher Remediation Follow-up Report." If accepted, the candidate must complete the entire YCE/Student Teaching semester experience.

WF - indicates that the student was permitted to withdraw from a course with the approval of the registrar after the withdrawal date listed in the Semester Schedule of Classes. If a candidate earns a grade of "WF", the conditions indicated under "U" below will apply.

S - indicates satisfactory completion of the YCE/Student Teaching experience.

U - indicates unsatisfactory completion of the YCE/Student Teaching experience. If a candidate earns a grade of "U," a remediation plan stipulating the conditions for successful completion of YCE/Student Teaching and signed by the university supervisor, collaborating teacher, department chair/program coordinator, and candidate is required. If a candidate receives a grade of "U" and wishes to enroll in YCE/Student Teaching in a subsequent semester, the candidate must reapply for YCE/Student Teaching once the remediation plan is successfully completed and documented by the program area using the "Student Teacher Remediation Follow-up Report." If accepted, the candidate must complete the entire YCE/Student Teaching semester experience.

Withdrawals or Removals

In the event that a teacher candidate withdraws and/or is removed from a placement, the program area's Admissions and Academic Standing Committee will determine whether another attempt is warranted. If a second attempt is warranted, the program area's Admissions and Academic Standing Committee will determine an appropriate period of remediation and determine readiness for re-assignment at the completion of the designated remediation plan. In no case will a candidate be allowed more than two attempts at Yearlong Clinical Experience or Student Teaching.

Appeals of Admission & Retention Decisions

A formal appeal of a decision to deny admission or retention in YCE/Student Teaching or the teacher education program may be made to the Teacher Education Appeals Board. Instructions and forms for such appeals are available in the Office of the Dean of the Bagwell College of Education. An appeal must be based on exceptional and extenuating circumstances and/or other pertinent information not previously available or considered. A formal appeal must be submitted in writing to the Dean of the Bagwell College of Education within 30 days of being notified of admission or retention status. In all cases, the candidate may initiate an appeal after seeking resolution with the appropriate degree program's Admissions and Academic Standing Committee or department chair or both.

The Dean will transmit the appeal to the Teacher Education Appeals Board. The decision of the Teacher Education Appeals Board may be appealed in writing within 30 days to the Dean of the Bagwell College of Education. The decision of the Dean of the Bagwell College of Education is final.

Program Completion and Graduation

Transfer students with a cumulative transfer GPA (as used by KSU Admissions) may be considered for teacher education admission their first semester at KSU. Only candidates who have achieved a transfer cumulative GPA of 3.00 or higher will be guaranteed admission when all other admission requirements have been met. After their first semester at KSU without teacher education admission, transfer students will be required to earn a cumulative or adjusted KSU GPA as explained above.

No grade lower than "C" in Lower Division Major and Teaching Field courses as required by the programs in teacher education.

3. Register with the Georgia Professional Standards Commission to obtain a MyPSC account and PSC identification number.

4. Entrance exams requirements:

Pass or exempt* the GACE Program Admission Assessment Tests (200, 201 & 202 or combined test 700) regardless of matriculation date.

Complete the Georgia Educator Ethics - Program Entry exam (350).

5. Some degree programs in teacher education

Applicants will be reviewed by ESS and by the Admission and Academic Standing Committee of the applicant's proposed degree program. All candidates who have met the requirements outlined above will be considered for admission. Only candidates who have achieved an

General Education (45 Credit Hours)

See listing of requirements.

Lower Division Major Requirements (Area F) (15 Credit Hours)

- EDUC 2110 - Investigating Critical and Contemporary Issues in Education
- EDUC 2120 - Sociocultural Influences on Teaching and Learning
-

2. GPA requirements:

Achieved a minimum, adjusted or cumulative GPA of 2.75 for all coursework completed at Kennesaw State University. However, only candidates who have earned a KSU adjusted or cumulative GPA of 3.00 or higher will be guaranteed admission when all other admission requirements have been met. Students with a 2.75-2.99 GPA will be admitted on a case-by-case basis.

Transfer students with a cumulative transfer GPA (as used by KSU Admissions) may be considered for teacher education admission their first semester at KSU. Only candidates who have achieved a transfer cumulative GPA of 3.00 or higher will be guaranteed admission when all other admission requirements have been met. After their first semester at KSU without teacher education admission, transfer students will be required to earn a cumulative or adjusted KSU GPA as explained above.

No grade lower than "C" in Lower Division Major and Teaching Field courses as required by the programs in teacher education.

3. Register with the Georgia Professional Standards Commission to obtain a MyPSC account and PSC identification number.

4. Entrance exams requirements:

Pass or exempt* the GACE Program Admission Assessment Tests (200, 201 & 202 or combined test 700) regardless of matriculation date.

Complete the Georgia Educator Ethics - Program Entry exam (350).

5. Some degree programs in teacher education have additional admissions requirements. It is the student's responsibility to consult those departments and program advisors.

* The GACE Program Admission Assessment tests are comprehensive exams covering reading, writing, and mathematics. Regardless of matriculation date, the GACE Program Admission Assessment tests are a requirement for entrance into the Teacher Education Program at Kennesaw State University. Candidates should plan to take the tests prior to applying to the Teacher Education Program. Students with the following minimum scores on Collegiate SAT, ACT or GRE examinations may exempt GACE Program Admission Assessment by submitting proof of scores to the Certification Officer located in the William D. Impey Teacher Education Advisement Center, located in Education Student Services (ESS):

SAT: at least 1000 (Critical Reading and Mathematics)

ACT:

Any supporting documents (i.e. SAT or ACT exemption scores or Supplemental Teacher Recommendations) must be submitted to the William D. Impey Teacher Education Advisement Center (located in ESS) on or before the following deadlines:

Admission to Teacher Education Program

Applicants will be reviewed by ESS and by the Admission and Academic Standing Committee of the applicant's proposed degree program.

Upper Division Required Core Courses (31 Credit Hours)

- MUED 3340 - Music for Early and Middle Grades
- ARED 3309 - Visual Art for Early & Middle Grades
- MATH 3316 - Rational Numbers and Proportional Reasoning for Elementary Teachers
- MATH 3317 - Geometry and Measurement for Elementary Teachers
- MATH 3318 - Algebra for Elementary Teachers
- ECE 3313 - Preschool Curriculum and Assessment

3. Register with the Georgia Professional Standards Commission to obtain a MyPSC account and PSC identification number.

4. Entrance exams requirements:

- Pass or exempt* the GACE Program Admission Assessment Tests (200, 201 & 202 or combined test 700) regardless of matriculation date.
- Complete the Georgia Educator Ethics - Program Entry exam (350).
-

5. Some degree programs in teacher education have additional admissions requirements. It is the student's responsibility to consult those departments and program advisors.

1. Mathematics (16 Credit Hours)

Candidates should take MATH 1112 - College Trigonometry or MATH 1113 - Precalculus and MATH 1107 - Statistics as part of their General Education requirements.

- MATH 1190 - Calculus I
- MATH 3295 - Mathematics for Middle Grades and Secondary Teachers
- MATH 3390 - Introduction to Mathematical Systems
- MATH 3395 - Geometric Proofs and Applications
-

- HIST 3366 - History of Mexico and Central America
- HIST 3367 - History of Brazil
- HIST 3373 - Modern India and South Asia
- HIST 3374 - Modern China and Japan
- HIST 3382 -

- EDRD 4409 - Young Adult Literature: Cross-Curricular Approaches for Diverse Learners
- EDRD 4411 - Reading Diagnostics for Teachers of Adolescents

Block IV. (courses to be taken concurrently)

- EDMG 4411 - Seminar in Middle Grades Education
- EDMG 4660 - Yearlong Clinical Experience II
- INED 3306 - Education of Students with Exceptionalities in an Inclusive Setting II
- INED 4436 - Foundations of Teaching Adolescent English Learners II

Program Total (128-129 Credit Hours)

University-Wide Degree Requirements

See listing of requirements.

WellStar College of Health and Human Services

The

premier exercise science labs in the country with state of the art equipment and facilities for research in exercise physiology and biomechanics. The sport management program has a strong record of working within Atlanta's vast sports community that ranges from community recreation centers to professional sports clubs to national sporting events. Students interested in the department's programs should visit the department's website.

The WellStar College of Health and Human Services houses five academic units:

-

Contact: Ms. Susan Whitlock, Minor Program Coordinator
Department of Health Promotion and Physical Education
(470) 578-6216

the opportunity for practical application of knowledge through community and research based experiences. The program can also be used as pre-professional preparation for post graduate study in exercise science or other health related discipli

Upper Division Major Requirements

Exercise Science Core (32 Credit Hours)

- ES 3600 - Health Fitness Management
- ES 3700 - Strength and Conditioning
- ES 3750 - Strength and Conditioning Laboratory
- ES 3800 - Biomechanics
-

Leading to Certification for Grades P-12
WellStar College of Health and Human Services,
Department of Health Promotion and Physical Education
(470) 578-6216

HPE Professional Skills (8 Credit Hours)

- HPE 1140 - Educational Dance and Gymnastics
- HPE 1560 - Introduction to Invasion Target Game Forms
- HPE 1

and families and to enhance the quality of communities. The Department's mission is to educate culturally competent professionals to develop and deliver high quality human services locally, regionally and globally, to improve the quality of life of those they serve. The Department's mission evolves from its core values that are derived from the values of the University, the National Association of Social Workers, the National Organization for Human Services (NOHS), and the Nonprofit Leadership Alliance (NLA). These values include academic excellence, quality teaching, student-centered, service, human relationships, social justice, the dignity and worth of the individual, client and community well-being, client participation, self-determination and confidentiality, promotion of ethical standards, integrity, competency, continuous examination and critique of the profession, and professional growth.

The Human Services (HS) program specifically prepares students to pursue careers in the field of human services in a variety of public, nonprofit, and private human service organizations. Students may choose a concentration either in (a) case management or (b) nonprofit management. All Human Services majors graduate with competencies in communication, assessment, advocacy, documentation, community networking, cultural competence, social policy, civic engagement, and professional/career development. These competencies are established by the established by the Council for Standards in Human Service Education (CSHSE).

Human Services majors must complete two internships in the program. The foundation internship requires students to demonstrate knowledge, attitudes, and skills acquired in lower-level major courses by completing assignments and experiences in both micro and macro level practice. Students then complete an advanced internship with a focus on the competencies of their chosen concentration.

The students in the case management concentration focus on the ability to integrate knowledge and skills related to direct practice with individuals, families, children, and groups. In addition, they are prepared to work in crisis intervention settings. Students who select the nonprofit management concentration develop management, leadership, and administrative competencies to work in nonprofit organizations. All human services majors graduate with competencies in communication, assessment, advocacy, documentation, community networking, cultural competence, social policy, civic engagement, and professional/career development. These competencies are established by the established by the Council for Standards in Human Service Education (CSHSE). Graduates from the HS program may qualify to take the Human Service Board Certified Practitioner (HS-BCP) exam for becoming a Human Service Board Certified Practitioner (HS-BCP). For additional information regarding the HS-BCP, please contact the Human Services Program Coordinator.

The Human Services program also supports two certificates: the Nonprofit Management and Leadership (NLA) Certification and the Child Advocacy Studies Training (CAST). The Nonprofit Management and Leadership Certificate program prepares students for employment, volunteer and leadership experiences in the nonprofit sector. The program requires students to demonstrate ten core management and leadership competency areas. Students interested in this certificate may enroll by contacting the NLA Campus Executive Director and completing the online application available at www.kennesaw.edu/chhs/swhs. Completion of the certificate's requirements result in students receiving national certification

and credentialing, (i.e., Certified Nonprofit Practitioner (CNP) by the Nonprofit Leadership

Good Standing in the Human Services Program:

To remain in good academic standing with the program, Human Services majors are required to:

- Maintain minimum institutional GPA of 2.8 or higher
- The Academic Advisor will review the GPAs of majors after grades are submitted each semester. Failure to maintain the minimum institutional GPA will result in the student receiving an Academic Progression Warning.

Human Service Academic Progression Warning:

When the adjusted GPA of a Human Services student drops below the minimum institutional GPA of 2.8, the following will occur:

- Human Services student in the program will receive an e-mail from the Human Services Program Coordinator to their KSU student e-mail stating their program status is moved to "academic progression warning" status.
- Human Services student in the program will have two consecutive semesters from the time of warning to bring his/her adjusted GPA to the required 2.8 or higher.
- Upon notification of the "academic progression warning," Human Services student in the program should:
 1. meet with the Human Services academic advisor and his/her faculty mentor within two weeks of notification; and
 2. Develop a written remediation plan in collaboration with the Human Services academic advisor and faculty mentor (a signed copy is provided to the student).

Human Services majors on "academic progression warning" should meet at least a couple of times a semester with the Human Services academic advisor and faculty mentor to discuss progress on the remediation plan and to determine if any additional actions are needed. At the conclusion of the two-semester "academic progression warning" period, the student's academic record will be reassessed by the Human Services academic advisor and Human Services Program Coordinator to determine if the student can continue within the program.

Dismissal from Human Services Major:

A Human Services major, failing to bring his/her GPA to 2.8 after the second consecutive semester on "academic progression warning," will be dismissed from the Human Services program.

Reinstatement After Dismissal:

Students dismissed from the major may reapply for the major after two semesters from time of dismissal. (s)he must reapply to the Human Services program to be considered for

reinstatement. Students reapplying for admission must meet the same requirements as required for first-time applicants to the program

General Education (42 Credit Hours)

See listing of requirements.

Lower Division Major Requirements (Area F) (18 Credit Hours)

Module 1 for HS Case Management and HS Nonprofit Management Concentrations

- HS 2100 - Overview of Human Services
- HS 2200 - Fundamentals of Nonprofits
- HS 2300 - Cultural Competence in the Human Services
- HS 2400 - Interviewing Skills for the Helping Professions
- SOCI 1101 - Introduction to Sociology

and

- POLS 2212 - State and Local Government
- or
- PSYC 1101 -

- HS 4500 -

- HS 3700 - Aging and the Family
- HS 3750 - Death, Dying, and Bereavement
- HS 3800 - Social Entrepreneurship and Social Enterprise
- HS 3900 - Dynamics of Family Violence
- HS 3950 - Perspectives on Child Maltreatment and Child Advocacy
- HS 3960 - Professional and System Responses to Maltreatment
- HS 4100 - Grant Writing and Fundraising
- HS 4200 - Human Resources for Nonprofit Organizations
- HS 4300 - Education Abroad in Human Services
- HS 4490 - Special Topics in Human Services
- HS 4500 - Working with Families
- HS 4600 - Working with Children and Youth
- MGT 3100 - Management and Behavioral Sciences
- POLS 3343 - Principles of Public Administration
- SOCI 3304 - Social Organization
- Cross-listed courses

Free Electives (12 Credit Hours)

-

Completion of this Certificate's requirements result in students receiving national certification and credentialing (Certified Nonprofit Practitioner). Certificate program participants acquire an academic and on-the-job education in 10 core competencies: Communication, Marketing, & Public Relations; Cultural Competency & Diversity; Financial Resource Development and Management; Foundations and Management of the Nonprofit Sector; Governance, Leadership & Advocacy, Legal & Ethical Decision Making; Personal & Professional Development; Program Development; Volunteer & Human Resource Management; and the Future of the Nonprofit Sector.

Certification Requirements

Students must demonstrate completion of:

- Nonprofit Competencies: identified and validated by the nonprofit sector, the competencies outline the knowledge, skills, and abilities; needed to lead and manage a nonprofit organization;
- Internship Experience: 300-hour internship or professional employment with a nonprofit organization;
- Leadership and Service Activities: demonstrated community leadership skills in diverse situations;
- Management/Leadership Institute attendance; and
-

Total: (27 Credit Hours)

RN Students Note:

Upon being awarded 27 credit hours for completion of NURS 3320, RN Students will be required to complete the following courses in the BSN Curriculum:

- NURS 4412 - Community Health Nursing
- NURS 4402 - Nursing Research for Evidence-based Practice
- NURS 4403 - Project Development for Nurses
- NURS 4416 - Leadership in Nursing
-

In order for any course to be considered for transfer credit, the nursing course must be from an accredited nursing program within the past two years and a grade of "B" or better, received in the course. Nursing courses older than two years will be considered only if the student has been out of the former program for two terms or less and was continuously enrolled in the former nursing program. A letter must be obtained from the School of Nursing Chair/Department Head stating that the student is eligible to return to the nursing program and is in good academic standing. Students who are not eligible to return to their former nursing program will not be able to apply to the nursing program. In addition, students will need to successfully complete a medication calculation test at 90% or better (limited to two attempts) and a nursing skills check-off (limited to three attempts) before beginning a clinical nursing course. Transfers will be considered only if there is an open available space in the Nursing Program.

Progression and Readmission within the Baccalaureate Nursing Program

Criteria for progression to the junior and senior year and graduation from the baccalaureate degree program are as follows:

- Receive at least a "C" in all nursing, natural science and mathematics courses.
- Maintain a cumulative GPA of 2.7.
- A student may repeat only one nursing course (including BIOL 3317, Human Pathophysiology). A grade less than "C" in any two nursing courses will result in being dismissed from the program. Students who are dismissed are not eligible to reapply. Students must earn a minimum of "C" in each nursing course and BIOL 3317 (Human Pathophysiology) to progress.

If a student leaves the program temporarily, whether by choice or because of failure, readmission to the nursing sequence is not guaranteed. Eligible students who drop out of the nursing sequence for any reason will be readmitted to the sequence on a space-available basis. Students will be accommodated in rank order according to their GPA. Students interested in reentry must notify the director in writing of their interest. A student who has a cumulative GPA of less than 2.7 or less than a "C" in all completed natural science and mathematics courses will not be considered for readmission. If a student has been on a leave from the nursing program for more than two calendar years, the student will need to reapply for admission to the program and repeat the entire sequence of required nursing courses.

Admission, Progression and Retention Decision Appeals

A formal appeal of a decision to deny admission, to delay progression, or to dismiss a student from the WellStar School of Nursing may be made to the Admissions, Progression and Retention Committee within 30 days of notification. Prior to an appeal, students are encouraged to meet with the Associate Director of the WSON for Undergraduate Programs or designee. An appeal must be based on exceptional and extenuating circumstances or other pertinent information not previously available or considered or both. The committee will review the student appeal and notify the student of its decision in writing. If a student wishes to

Minor Core (12 Credit Hours)

- PHE 2400 - Behavior Theory and Applications
- PHE 3850 - Fundamentals of Program Planning
- PHE 4500 - Epidemiology
- PHE 4600 - Program Implementation and Evaluation

Minor Electiv

who complete the B.S. in Public Health Education will be eligible for the Certified Health Education Specialist (CHES) exam.

General Education (42 Credit Hours)

See Listing of Requirements.

Lower-Division Major Requirements (Area F) (18 Credit Hours)

- PHE 2100 - Introduction to Public Health Education
- HPE 2250 - Functional Anatomy and Physiology for Health and Physical Education
- HS 2300 - Cultural Competence in the Human Services
- PHE 2400 - Behavior Theory and Applications
- CSH 2500 - Principles of Nutrition for the Professional
- ES 2300 - Medical Terminology
- One additional hour from General Education Area D.

Program Requirements (60 Credit Hours)

I. Public Health Education (30 Credit Hours)

- PHE 3400 - Disease Prevention and Management
- PHE 3850 - Fundamentals of Program Planning
- PHE 4200 - Introduction to Community and Worksite Health
- PHE 4300 - Environmental Health Issues
- PHE 4350 - Methods of Public Health Education Research
- PHE 4500 - Epidemiology
- PHE 4600 - Program Implementation and Evaluation
- PHE 4650 - Health Coaching and Patient Education
- STAT 3125 - Biostatistics

- PHE 3330 - Health Systems & Health Policy
OR
- NURS 3330 - Health Systems & Health Policy

II. Public Health Education Capstone (12 Credit Hours)

- PHE 4750 - Public Health Education Seminar and Internship

*III. Required Public Health Education Content Courses (12 Credit Hours) **

Select 4 of the following courses:

- HPE 3250 - Family Health and Sexuality
- HPE 3300 - Contemporary Health Issues
- HPE 3600 - Child and Adolescent Health Issues
- HS 3750 - Death, Dying, and Bereavement

Student must participate in a 60 hour recreation or leisure volunteer experience (The ESSM Internship coordinator will monitor and approve these volunteer activities. These experiences will be non-course credit hours. You must provide proof of participation and/go through VKSU.)

See listing of requirements.

Lower Division Major Requirements (Area F) (18 Credit Hours)

- SM 2100 - Introduction to Sport Management
- SM 2200 - History and Contemporary Aspects of Sport
- SM 2300 - Legal Aspects of Sports
- SM 2400 - Sports Information and Media
- ACCT 2100 - Introduction to Financial Accounting
- ECON 2100 - Principles of Microeconomics

Upper Division Major Requirements

Sport Manag

- HPE 3050 - Coaching Principles
- HPE 3395 - Coaching Practicum
- HPE 1000-level Activity courses (6 hours maximum)
- MGT 3100

College also offers a Ph.D. in International Conflict Management, a Master of Arts in American Studies, a Master of Arts in Integrated Global Communication, a Master of Arts in Professional Writing, a Master of Arts in Teaching (in English, in History, and in Foreign Language

The College of Humanities and Social Sciences houses ten academic departments:

- Department of Communication
- Department of Digital Writing and Media Arts
- Department of English
- Department of Foreign Languages
- Department of Geography and Anthropology
- Department of History and Philosophy
-

Certificate Programs

The College of Humanities and Social Sciences offers the following certificate programs:

- Certificate in Alternative Dispute Resolution
- Certificate in Constitutional Studies
- Certificate in Diversity and Community Engagement
- Certificate in European Union Studies
- Certificate in Gender and the Workplace
- Certificate in Geographic Information Systems
- Certificate in Latin American Studies
- Multiplatform News Reporting Certificate in Political Communication
- Certificate in Professional Politics
- Certificate in Public History
- Graduate Certificate in American Studies
- Graduate Certificate in Creative Writing
- Graduate Certificate in Digital and Social Media
- Graduate Certificate in Professional Writing for International Audience

Minors

- African and African American Studies
- American Studies
- Anthropology
- Asian Studies
- Chinese Studies
- Criminal Justice
- Criminology
- Crisis Preparedness
- Environmental Studies
- European Studies
- Film Studies
- French and Francophone Studies
- Gender and Women's Studies
- Geography
- German Studies
- Gerontology
- History
- International Affairs
- Italian Studies
- Language and Literary Studies
- Latin American Studies
- Legal Studies
- Lusophone Studies
- Military Leadership
- Native American Studies
- Peace Studies

- Philosophy
-

- Elective - Any 1000-2000 level course(s), AADS-related courses suggested (3 Credit Hours)

Upper Division Major Requirements (36 Credit Hours)

Required (9 Credit Hours)

- HIST 3334 - The Africans in the Diaspora
- AADS 4499 - Senior Seminar

Three hours from the following:

- AADS 3380 - Study Abroad
or
 - AADS 3398 - Internship
or
 - AADS 4100 - Directed Applied Research
- A maximum of 6 credit hours from study abroad, internship, and/or directed study courses may be used to satisfy Upper-Division Major Requirements.

Concentrations (18 Credit Hours):

There are three Concentrations: Arts and Literature, History, and Social Sciences. With the assistance of their advisors, students are to take two courses (6 hours) in each concentration for a total of 18 hours.

Arts and Literature

- ARH 3100 -

- HIST 3391 - History of West Africa
- HIST 3392 - History of Southern, Eastern and Central Africa

15 credit hours in order to receive the certificate. Applications for admission to the Program are available in the office of the Department of Political Science and International Affairs.

Required Courses:

- COM 3325 - Intercultural Communication
or
- ANTH 3307 - Cultural Anthropology
- BLAW 3400 - Ne0 0 0.24T/TT2 (ti) -0.2(ca)0.2 (i) -0.224T/TT2 mun

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- AMST 3720 - America and Empire

Select at least two of the following (6-9 Credit Hours)

- AMST 3710 - U.S. in the World
- AMST 3740 - American Popular Culture
- AMST 3750 - Place in American Culture
- AMST 3760 - Advanced Studies in American Identities
- AMST 3770 - American Cultural Productions
- AMST 3780 - American Cultural Movements
- AMST 4490 - Special Topics in American Studies

Electives (0-3 Credit Hours)

The balance of credits are drawn from the following. Alternatively, students may take an additional course from the list of program courses above. With the permission of the AS coordinator, English majors may use one ENGL course toward the minor AREA II electives, and history majors may use one HIST course toward the minor AREA II electives.

- ANTH 3321 - Indigenous Peoples of North America
- ENGL 3340 - Ethnic Literatures
- ENGL 3360 - Major African American Writers
- ENGL 3500 - Topics in African American Literature
- ENGL 4360 - American Literature Before 1800
- ENGL 4460 - 19th-Century American Literature
- ENGL 4560 - 20th-Century American Literature
- FILM 3220 - Studies in Film
- GWST 3010 - Queer Theory & Sexuality
- GWST 3020 - Black Feminisms
- GWST 3030 - Gender in Popular Culture
- HIST 3310 - The Old South
- HIST 3311 - The New South
- HIST 3315 - The History of the American West
- HIST 3331 - History of Religion in the U.S.
- HIST 3332 - U.S. Social and Cultural History
- HIST 3333 - African American History to 1865
- HIST 3335 - African American History, 1865 to Present
- HIST 3341 - Women in U.S. History and Culture
- HIST 4435 - History and Memory
- PHIL 3020 - American Philosophy
- POLS 4427 - American Political Thought
- SOCI 3314 - Race and Ethnicity

Program Total (15 Credit Hours)

Anthr

- ANTH 3397 - Anthropology Practicum
or
- ANTH 3398 - Internship in Anthropology
- ANTH 4450 - Research Methods in Anthropology

Upper Division Elective Courses (18 Credit Hours)

Select 18 hours (6 courses) from those listed below or any other 3000-4000 level ANTH course not listed. Each student must take at least one course from each of the areas: Cultural Anthropology, Physical Anthropology, and Archaeology.

Cultural Anthropology

- ANTH 3310 - Cultural Diversity in the U.S.
- ANTH 3315 - Indigenous Peoples of the Southeast United States
- ANTH 3340 - Religion, Magic, and Culture
- ANTH 3345 - Food and Culture
- ANTH 3350 - Cultures and Societies of the World
- ANTH 3355 - Capitalisms and Cultures in Asia
- ANTH 3360 - Anthropology and Africa
- ANTH 3365 - Afro-Brazilian Culture and Politics

Note:

(A study abroad course with prior approval of the department or ANTH 4490 can be used to fulfill a requirement in the Upper Division Elective area.)

Related Studies (9 Credit Hours)

Nine hours of upper-division studies beyond the major requirements as approved by the academic advisor. 3000-4000 level ANTH courses are permitted in the Related Studies area. Additional internships may also be approved when deemed appropriate.

Free Electives (12 Credit Hours)

Any courses in the university curriculum.

Program Total (15 Credit Hours)

Asian Studies B.A.

Heeman Kim
Coordinator, Asian Studies
(470) 578-2431
<http://asianstudies.hss.kennesaw.edu/>

General Education (42 Credit Hours)

See listing of requirements.

Lower Division Major Requirements (Area F) (18 Credit Hours)

Lower Division Language Requirements (6 Credit Hours)

Six Hours of 2000

1.

- ASIA 3355 - Cultures and Capitalisms in Asia
or
- ANTH 3355 - Capitalisms and Cultures in Asia
- ASIA 3760 -

- POLS 4452 - Politics of the Pacific Rim
- POLS 4454 - Politics of the Middle East
- AMST 3710 - U.S. in the World
- AMST 3740 - American Popular Culture
- NURS 4423 - International Health Policy
- GWST 3090 - Transnational Feminisms
- Any other Asia-Focused course in this area approved by faculty advisor

3. Asian Business Concentration

Choose four courses:

- MGT 3100 - Management and Behavioral Sciences **
- MGT 3190 - Business, Ethics, and Society **
- MGT 3600 - Introduction to International Business **
- MGT 4121 - Entrepreneurship and Creativity **
- MGT 4190 - International Management **
- MGT 4125 - International Entrepreneurship
- MGT 4174 - International Human Resource Management
- MKTG 3100 - Principles of Marketing **
- MKTG 3150 -

Required:

- ASIA 4001 - Teaching English in Asia

Choose Two:

- FLED 4408 - Second Language Acquisition ***
- INED 4430 - Applied Linguistics and English Language Literacy ***
- ENGL 3035 - Introduction to Language and Linguistics
- Any other course in this area approved by faculty advisor

Choose One:

- ASIA 3001 - Understanding Asia

Select three of the following (9 Credit Hours)

- ANTH 3335 - Archeology Field Techniques
- ANTH 4490 - Special Topics in Anthropology
- ASIA 3309 - Survey of Chinese Literature and Culture
- ASIA 3340 - Contemporary South Asian Literature
- ASIA 3355 - Cultures and Capitalisms in Asia
- ASIA 3670 - Survey of Asian Art
- ASIA 3950 - Technology Strategy in Asia
- ASIA 4422 - Archaeology of Asia
- ASIA 4457 - South Asian Politics: A Comparative Perspective
- ASIA 4490 - Special Topics for Asian Studies
- COM 3325 - Intercultural Communication
- ECON 4310 - Economic Development in Global Perspective
- GEOG 3360 - Geography of Asia
- HIST 3372 - Ancient to Pre-Modern China
- HIST 3373 - Modern India and South Asia
- HIST 3374 - Modern China and Japan
- HIST 4475 - War and Revolution in Southeast Asia
- PHIL 4200 - Indian Philosophy
- PHIL 4210 - Chinese Philosophy
- PHIL 4220 - Japanese Philosophy
- POLS 4452 -

Chinese Studies Minor

Advisor: Liuxi (Louis) Meng
Department of Foreign Languages
(470) 578-6366

<http://foreignlanguages.hss.kennesaw.edu/programs/minor-chinese/>

The minor in Chinese Studies consists of 15 credit hours of Chinese coursework calculated in the following manner. A minimum of six (6) hours in the minor must be taken in residence at

companies to measure employee satisfaction with company communication practices. Students often intern in corporate human resources or training and development departments.

Media and Entertainment Studies Concentration

The Media Studies Concentration helps students navigate the media-rich culture as critical thinkers and intentional media creators and users in employment and in personal life. The three competency areas-Technology, Writing, and Media Literacy-offer a focused set of knowledge gains our media studies graduates will need in an increasingly complex and converging media world. The concentration is designed to give students the freedom to personalize their studies. Students can make creative combinations of courses to suit their interests and blend knowledge and insight in interdisciplinary ways. Graduates from this concentration will be more savvy media consumers, parents, and participants in the democratic process. Career directions could include, among others: media sales, media buyer, media research, public affairs, writing and publishing, public information officer, community outreach, political advocacy, ministry, as well as communication-based jobs in local, state and federal government. Media Studies also is useful preparation for graduate study.

Lower Division Major Requirements (Area F) (18 Credit Hours)

- COM 2020 - CSI: Communication Sources and Investigations
- COM 2033 - Visual Communication
- COM 2129 - Public Speaking
- COM 2135 - Writing for Public Communication
- ICT 2101 - Information and Communications Technology

Choose one of the following according to the selected concentration:

- COM 2205 - Introduction to Organizational Communication (Organizational Communication concentration)
- COM 2230 - Introduction to Mass Communication (Media and Entertainment Studies Concentration)

Upper Division Major Requirements (36 Credit hours)

- COM 3435 - Communication Research Methods
- COM 4480 - Communication Theory

Major Concentration

Select one of the two

Choose 9 hours from any 3000-4000 level SOCM course not previously taken. Each concentration provides students a recommended list of electives for that concentration.

Media and Entertainment Studies

Concentration requirements (9 Credit Hours)

- COM 3326 - Global Media Systems
- COM 4424 -

- COM 4100 - Directed Applied Research
- COM 4400 - Directed Study
- COM 4425 - Gender, Race and Media
- COM 4430 - Media Management
- COM 4434 - Topics in Media Studies
- COM 4444 - Film and Video Structure and Process
- COM 4490 - Special Topics in Communication
- FILM 3105 - Fundamentals of Writing for Film and Television
- FILM 3200 - Film History and Theory I
- POLS 3380 - Mass Media and Politics
- WRIT 3150 - Topics in Digital Rhetoric
- WRIT 3160 - Argumentative Writing
- PR 3335 - Public Relations Principles
- PR 3355 - Public Relations Cases
- PR 3375 - Public Relations Writing
- PR 4405 - Digital Publication Design
- PR 3429 - Persuasion Methods and Strategies
- JOUR 3310 - Concepts in New Media
- JOUR 3330 - News Reporting and Writing
- JOUR 3340 - Digital Media Production
- JOUR 3360 - Photojournalism
- JOUR 4412 - Sports Reporting
- JOUR 4420 - Advanced Media Writing
- JOUR 4445 - Advanced Digital Audio Production
- JOUR 4450 - Video News Production
- JOUR 4470 - Media Law

Related Studies (12 Credit Hours)

Select 12 hours of upper division course work (3000-4000 level) outside of the School of Communication & Media (SOCM). These hours do not have to be taken in a single discipline, but should relate to a particular interest or career goal. Students should determine needed

Graduation Credit Hour Total (123 Credit Hours)

Constitutional Studies Certificate - Embedded

College of Humanities and Social Sciences
Department of Political Science and International Affairs
(470) 578-6227
<http://psia.hss.kennesaw.edu/>

The certificate in Constitutional Studies will concentrate on the development of the U.S. Constitution and the Bill of Rights, their interpretation by judges through judicial decisions, and how the constitutional doctrines of federalism, enumerated powers, separation of powers, and the rule of law apply to the national and state governments. The capstone class, the American Legal System, will then examine broader considerations of how fundamental law has acted to define the powers of government and also sought to limit those powers through the institution of civil rights and civil liberties.

The Certificate in Constitutional Studies is awarded upon graduation and students must have a 3.0 overall Grade Point Average in classwork and complete certificate coursework with a 3.0 average or better. Students must also successfully complete a paper incorporating U.S. Constitutional law in the POLS 4410 capstone class as an assessment of achieving significant knowledge of constitutional law.

Curriculum Courses

- POLS 4405 - Comparative Legal Systems
- POLS 4411 - Criminal Law
- POLS 4416 - Law and Gender

POLS 4415 or POLS 3315 meet the Core Requirement of 6 hours. POLS 4410 is the capstone class and is required for the certificate as the program assessment occurs in that class. POLS 3300 U.S. Constitution and Courts is a required class to enroll in upper division legal classes but is not required for the certificate.

Criminal Justice B.S.

Bachelor of Science Degree
College of Humanities and Social Sciences, Department of Sociology and
Criminal Justice
470-578-6739
www.kennesaw.edu/scj

The Criminal Justice system is an institution that is at the crux of societal concern. When individuals are asked to define major social problems, the fear of and response to crime are found at the top of the list. People not only want to have a better understanding of these problems; many also want to become a part of the solution. It is these individuals who will be the primary beneficiaries of the Criminal Justice major at KSU. The secondary beneficiaries are members of the community; university educated criminal justice personnel make better criminal justice practitioners. This program of study is timely and relevant. It infuses knowledge about interpersonal communication skills, multicultural issues, leadership and management concerns, moral and ethical considerations, and technological applications into the coursework. The program is appropriate for pre-service as well as in-service students.

General Education (42 Credit Hours)

See listing of requirements.

Note:

MATH 1107 Introduction to Statistics is recommended for this major in Area D.

Lower Division Major Requirements (Area F) and Selected Concentration (18 Credit Hours)

- CRJU 1101 - Foundations of Criminal Justice
- SOCI 1101 - Introduction to Sociology
- SPAN 2034 - Spanish for Criminal Justice *

* This course can be substituted for another course if the student is a native speaker.

- PSYC 1101 - Introduction to General Psychology
- GEOG 1101 - Introduction to Human Geography
- HS 2100 - Overview of Human Services

- SPAN 1001 - Introduction To Spanish Language and Culture I
or
- FL 1001 - Introduction to Foreign Language and Culture I

- ICT 2101 - Information and Communications Technology
or
-

- SOCI 4432 - Criminology
- CRJU 4499 -

University-Wide Degree Requirements (3 Credit Hours)

See listing of requirements.

Graduation Credit Hour Total (123 Credit Hours)

Criminal Justice Minor

Dawn Baunach

Department of Sociology and Criminal Justice

Select one from the following:

- CRJU 3301 - Research Methods in Criminal Justice *
- CRJU 3305 - Technology and Criminal Justice
- CRJU 3320 - Criminal Investigation
- CRJU 3400 - Ideological/Group Violence and Law Enforcement
- CRJU 4100 - Ethics in Criminal Justice
- CRJU 4305 - Technology and Cyber Crime
- CRJU 4430 - Victimology
- CRJU 4490 - Special Topics in Criminal Justice
- SOCI 4432 - Criminology *

Program Total (15 Credit Hours)

Note:

* Students whose undergraduate degrees are not in criminal justice, criminology, or related studies and who are interested in pursuing a master's degree program in Criminal Justice (MSCJ) at KSU should complete these two undergraduate courses (six hours) in Criminology and Research Methods in Criminal Justice. These two undergraduate courses are pre-requisites

Select three of the following (9 Credit Hours)

- CRJU 3352 - Juvenile Delinquency and Corrections
- CRJU 3365 - Profile of the Serial Offender
- CRJU 4410 - Criminal Profiling and Analysis
- CRJU 4430 - Victimology
- GEOG 3300 - Urban Geography
- POLS 4405 - Comparative Legal Systems
- POLS 4411 - Criminal Law
- PSYC 3310 - Psychopharmacology
- PSYC 4430 - Abnormal Psychology
- SOCI 3360 - Sociology of Violence
- SOCI 4200 - Drugs, Alcohol and Society
- SOCI 4442 - Deviance and Social Control

Program Total (15 Credit Hours)

Crisis Preparedness Minor

Required Courses (9 Credit Hours)

- PR 4460 - Crisis Communication
- ISA 3330 - Information Security Approach to Crisis Management
- POLS 4200 - Homeland Security Administration

Elective Courses (6 Credit Hours)

Choose two of the following:

- KSU 1101 - First-Year Seminar
- PR 4415 - Topics in Public Relations
- CRJU 3400 - Ideological/Group Violence and Law Enforcement
- CRJU 4100 - Ethics in Criminal Justice
- PR 4670 - Crisis Leadership Communication
- LDRS 3400 - Service As Leadership
- NURS 4423 - International Health Policy
- POLS 4431 - Politics of International Terrorism
- POLS 4437 - Global Security

Program Total (15 Credit Hours)

Diversity and Community Engagement - Embedded

The Certificate in Diversity and Community Engagement explores the theory and praxis of diversity concerns as they relate to interdisciplinary study, while giving students an opportunity to design and carry out a community engagement project. It will serve students in a number of majors, providing insight into how diversity issues play out in organizations and community groups while providing them service.

Required Courses:

- ISD 2001 - Introduction to Diversity and Social Justice
- ISD 3398 - Interdisciplinary Studies Internship
- ISD 3399 - ISD Certificate Colloquium
- Relative Elective (3 credit hours)

Progra

- ENGL 3320 - Scriptural Literature *
- ENGL 3322 -

Note:

*This course can be taken more than once provided the course content differs entirely from the previous offering--should work.

Senior Seminar (3 Credit Hours)

- ENGL 4620 - Senior Seminar

Elective (3 Credit Hours)

3000 or 4000-Level ENGL/FILM/WRIT

major in English/Language Arts and a second major in pedagogical studies with an emphasis on teaching English/Language Arts.

The English Education program aims to prepare teachers who have a broad, rich knowledge of the discipline of English (including courses in British, American, and world literature, language theory, and writing) and who enact an integrated, reflective, and theoretically informed pedagogy for English/Language Arts.

This program is fully accredited by CAEP (the Council for the Accreditation of Educator

- ENGL 2271 - Introduction to Teaching English Language Arts
- ENGL 3035 - Introduction to Language and Linguistics
- ENGL 3241 -

humanities at KSU and after graduation. The Minor emphasizes critical thinking skills and

(470) 578-6227

The European Union Studies Certificate at Kennesaw State University is part of a multi-institution collaborative offered by the University System of Georgia. The program is designed to provide students in-depth multi-disciplinary knowledge of the European Union. Students who successfully complete the certificate will be prepared to move into a range of occupations for which familiarity with the European Union is an asset. They will also have the foundation necessary to pursue graduate study in fields related to the European Union.

Economics

- ECON 4310 - Economic Development in Global Perspective
- ECON 4410 - International Trade and Finance

Foreign Language

- FREN 3304 - Literature and Culture I
- FREN 3305 - Literature and Culture II
- ITAL 3304 - Literature and Culture I
- ITAL 3305 - Literature and Culture II
- GRMN 3304 - Literature and Culture I
- GRMN 3305 - Literature and Culture II
- SPAN 3304 - Literature and Culture I
- SPAN 3305 - Literature and Culture II

Geography

- GEOG 3320 - Political Geography
- GEOG 3312 - Geography of Europe
- GEOG 3330 - Economic Geography

History

- HIST 3305 - The World Since 1945

Required Course (3 Credit Hours)

- FILM 4200 - Advanced Studies in Film

Select two of the following (6 Credit Hours)

- FILM 3200 - Film History and Theory I
- FILM 3210 - Film History and Theory II
- FILM 3220 - Studies in Film

(470) 578-2431

<http://gwst.hss.kennesaw.edu/>

The Gender & Women's Studies (GWST) minor is designed to increase students' awareness of the impact of changing gender roles. The program encourages students to understand and value diversity by exploring differences among people, promoting dialogue on issues of diversity, and providing service learning experiences in the community.

Required Courses (6 Credit Hours)

- GWST 2000 - Introduction to Gender and Women's Studies
- GWST 4000 - Research in Gender and Women's Studies

Electives (9 Credit Hours)

Select three additional GWST-prefixed courses.

Program Total (15 Credit Hours)

Geographic Information Science B.S.

Susan Kirkpatrick Smith, Department Cm B9 0 0.24 72 538.08 66 0 0 0.2 (i) -3u /TT9c

Note: Students should see their advisor for specific general education requirements in their concentration.

Lower Division Major Requirements (Area F) (16-18 Credit Hours)

Upper Division Major Requirements (27 credit hours)

- GEOG 3305 - Introduction to Cartographic Processes
-

Free Electives (6-8 Credit Hours)

Any courses in the university curriculum.

Program Total (120 Credit Hours)

University-Wide Degree Requirements (3 Credit Hours)

See listing requirements.

Graduation Credit Hour Total (123 Credit Hours)

Geographic Information Sciences Certificate - Stand-Alone and Embedded

Susan Kirkpatrick Smith, Department Chair
Department of Geography and Anthropology

Or

- SOCI 1101 - Introduction to Sociology (if FL 2001 satisfied under General Education requirements)
- FL 2002 - Intermediate Foreign Language and Culture II

- GEOG 1130 - World Regional Geography

Any Four Upper-Division Courses (12 Credit Hours)

Choose from the following:

- GEOG 3300 - Urban Geography
- GEOG 3305 - Introduction to Cartographic Processes
- GEOG 3310 - Historical Geography
- GEOG 3312 - Geography of Europe
- GEOG 3315 - Introduction to Geographic Information Systems
- GEOG 3320 - Political Geography
- GEOG 3330 - Economic Geography
- GEOG 3340 - Cultural Geography
- GEOG 3360 - Geography of Asia
- GEOG 3700 - Introduction to Environmental Studies
- GEOG 4400 - Directed Study
- GEOG 4405 - Advanced Geographic Information Systems
- GEOG 4410 - Introduction to Remote Sensing
- GIS 4415 - Practicum in Geographic Information Systems
- GEOG 4490 - Special Topics in Geography

Program TotalgEOG 4490

- SOCI 3310 - Introduction to Gerontology
- SOCI 3320 - Exploring the Aging Network

Select two of the following (6 Credit Hours)

- HS 3700 - Aging and the Family
- HS 3750 - Death, Dying, and Bereavement
- SOCI 4443 - Medical Sociology

Program Total (15 Credit Hours)

History B.A.

Upper Division Major Requirements (9 Credit Hours)

Must pass with a grade of "C" or better.

- 1. HIST 3100 - Historical Methods
- 2. Any two Research Seminars:
 - HIST 4495 - Research Seminar in US History
 - HIST 4496 - Research Seminar in European History
 - HIST 4497 - Research Seminar in non-Western History
 - HIST 4498 - Research Seminar in World History

OR

One Research Seminar from List Above
AND

- HIST 4499 - Senior Thesis in History

Upper Division Content Courses (39 Credit Hours)

Must pass with a grade of "C" or better.

I. Non-Western History Courses (6 Credit Hours)

Choose at least two:

- HIST 3305 - The World Since 1945
- HIST 3334 - The Africans in the Diaspora
- HIST 3357 - Africans in Asia
- HIST 3358 - Africans in Latin America and the Caribbean
- HIST 3366 - History of Mexico and Central America
- HIST 3367 - History of Brazil
- HIST 3372 - Ancient to Pre-Modern China
- HIST 3373 - Modern India and South Asia
- HIST 3374 - Modern China and Japan
- HIST 3375 - Silk Road
- HIST 3379 - Central Asia in World History
- HIST 3382 - North Africa and the Middle East in Modern Times
- HIST 3390 - History of the Atlantic World
- HIST 3391 - History of West Africa
- HIST 3392 - History of Southern, Eastern and Central Africa
- HIST 3393 - Emerging Themes in African History
- HIST 4453 - World War I
- HIST 4456 - World War II
- HIST 4475 - War and Revolution in Southeast Asia
- HIST 4490 - Special Topics in History (as appropriate)

II. European History Courses (6 Credit Hours)

Choose at least two:

- HIST 3337 -

- HIST 3327 - Architectural History
- HIST 3328 - Introduction to Archives and Records Management
- HIST 3376 - Historiographical Debates
- HIST 3377 - History of Science
- HIST 3378 - History of Technology
- HIST 3388 - Major Themes in Environmental History
- HIST 4425 - Oral History
- HIST 4426 - Documentation and Interpretation of Historic Sites
- HIST 4430 - Museum Studies
- HIST 4435 - History and Memory
- HIST 4490 - Special Topics in History (as appropriate)
- HIST 3398 - Internship
- HIST 3396 - Cooperative Study
- HIST 4400 - Directed Study

V. Minor, Certificate Program or Related Studies (15-18 Credit Hours)

Upper-level courses in appropriate minor,

This program is designed to prepare teachers of adolescents, largely at the secondary school level. It leads to 6-12 teacher certification in the teaching field of history in Georgia. Candidates complete the equivalent of a major in history and a second major in pedagogical studies. Candidates concentrate in history as this is the principal social science discipline in the secondary education curriculum and take additional course work in several other social science disciplines as part of their cross-disciplinary teaching field preparation.

The B.S. in History Education is fully accredited by the National Council for Accreditation of Teacher Education (NCATE), is fully approved by Georgia's Professional Standards Commission for teacher certification, and is nationally recognized by the National Council for the Social Studies (NCSS).

General Education (42 Credit Hours)

See listing of requirements.

Lower Division Major Requirements (Area F) (18 Credit Hours)

- EDUC 2110 - Investigating Critical and Contemporary Issues in Education
- EDUC 2120 - Sociocultural Influences on Teaching and Learning
- GEOG 1130 - World Regional Geography
- HIST 2111 - United States History to 1877
- HIST 1112 - Modern World History
- HIST 2206 - Origins of Great Traditions

Teaching Field Requirements (37 Credit Hours)

Must pass with a grade of "C" or better.

Courses to be chosen with advisor. One of these history courses must be a research seminar (HIST 4495, HIST 4496, HIST 4497, or HIST 4498).

American History (6 Credit Hours)

Choose two:

- HIST 3310 - The Old South
- HIST 3311 - The New South
- HIST 3315 - The History of the American West
- HIST 3321 - Diplomatic History of the United States
- HIST 3331 - History of Religion in the U.S.
- HIST 3332 - U.S. Social and Cultural History
- HIST 3333 - African American History to 1865
- HIST 3335 - African American History, 1865 to Present
- HIST 3340 - U.S. Military Experience
- HIST 3341 - Women in U.S. History and Culture
- HIST 3345 - Business & Economic History of United States
- HIST 4410 - Colonial America to 1763

- HIST 4411 - The American Revolution
- HIST 4412 - The Early Republic
- HIST 4415 - Jacksonian America
- HIST 4451 - Civil War and Reconstruction
- HIST 4461 - Gilded Age & Progressive Era
- HIST 4471 - Recent United States History
- HIST 4490 - Special Topics in History (as appropriate)

European History (3 Credit Hours)

Choose one:

- HIST 3337 - Greek and Roman History
- HIST 3342 - The Holocaust
- HIST 3350 - England to 1688
- HIST 3351 - Modern England
- HIST 3355 - Modern Ireland
- HIST 3360 - Russian Empire to 1917
- HIST 3377 - History of Science
- HIST 4440 - Medieval Europe
- HIST 4444 - Renaissance and Reformation Europe
- HIST 4445 - Age of Enlightenment
- HIST 4453 - World War I
- HIST 4454 - World War II
- HIST 4455 - The Cold War
- HIST 4456 - The Middle Ages
- HIST 4457 - The Renaissance
- HIST 4458 - The Reformation
- HIST 4459 - The Enlightenment
- HIST 4460 - The Industrial Revolution
- HIST 4461 - The Gilded Age
- HIST 4462 - The Progressive Era
- HIST 4463 - The New Deal
- HIST 4464 - The Cold War
- HIST 4465 - The Vietnam War
- HIST 4466 - The Civil Rights Movement
- HIST 4467 - The 1960s
- HIST 4468 - The 1970s
- HIST 4469 - The 1980s
- HIST 4470 - The 1990s
- HIST 4471 - The 2000s
- HIST 4472 - The 2010s
- HIST 4473 - The 2020s

Specifically-Required History Courses (9 Credit Hours)

- HIST 3304 - History of Georgia
- HIST 4488 - Approaches to World History
- HIST 3100 - Historical Methods

Political Science (3 Credit Hours)

- POLS 3300 -

- ITEC 3300 - Improving Learning with Technology in High School Classrooms
-

cross-pollinate a strong foundation in creative expression through courses in the School of Art and Design with theoretical and technical approaches to front-end digital design and culture. The emphasis here is on creating well-rounded designers that are suited to meet the growing marketplace need for interactive design.

Student Learning Outcomes for Interactive Design:

- Explain "design thinking" through reading, writing, and discussion.
- Design creative and technical work for your professional portfolio.
- Defend your creative and technical work through written and oral critiques.
- Assemble a professional portfolio for your creative and technical work.

General Education (42 Credit Hours)

See listing of requirements.

Lower Division Major Requirements (Area F) (19 Credit Hours)

- DWMA 2170 - Introduction to Digital Media and Culture
- ART 1100 - Two-Dimensional Design and Color Theory
- ART 1150 - Drawing I
- ART 2150 - Drawing II
- ART 2550 - Computer Applications in Art
- CS 1301 - Programming Principles I
- or
- CSE 1301 - Programming and Problem Solving I

Upper Division Major Requirements (18 Credit Hours)

- INDS 3000 - Visual

- INDS 4490 - Special Topics in Interactive Design
- DWMA 3800 - Front-End Development II
- DWMA 4500 - Front-End Development III

The program of study in International Affairs leads to a Bachelor of Arts degree. The degree plays an integral role in the Department of Political Science and International Affairs and draws upon disciplines such as political science, economics, history, foreign language, geography and anthropology. In this interdisciplinary major, the student must complete five required upper division major courses including the senior seminar followed by five courses in one of the four major concentrations.

Firsthand international experiences can be acquired through a coop/internship option or study abroad programs. This degree prepares graduates for careers in business, nonprofit organization

- POLS 4437 - Global Security

- POLS 4449 - Russian Foreign Policy
- POLS 4452 - Politics of the Pacific Rim
- POLS 4453 - Latin America: Democracy and Development
- POLS 4454 - Politics of the Middle East
- POLS 4455 - International Relations of Africa
- POLS 4457 - South Asian Politics: A Comparative Perspective
- PSYC 3355 - Cross-Cultural Psychology

Concentration II: International Business, Economics and Policy

- ECON 4310 - Economic Development in Global Perspective
- ECON 4410 - International Trade and Finance
- GEOG 3330 - Economic Geography
- HIST 3374 - Modern China and Japan
- MGT 3600 - Introduction to International Business
- MGT 4174 - International Human Resource Management
- MGT 4190 - International Management
- MGT 4476 - Contemporary Global Business Practices
- MKTG 4476 - Contemporary Global Business Practices
- MKTG 4820 - International Marketing
- NURS 4423 - International Health Policy
- POLS 3350 - American Foreign Policy
- POLS 4000 - Practicum in Political Science and International Affairs
- POLS 4433 - European Union Politics
- POLS 4438 - International Political Economy
- POLS 4439 - Political Economy of Post-communist Eurasia
- POLS 4452 - Politics of the Pacific Rim
- POLS 4456 - International Environmental Policy
- PSYC 3355 - Cross-Cultural Psychology

Concentration III: Applied Languages

- CHNS 3200 - Critical Reading and Applied Writing
- CHNS 3302 - Practical Conversation
- CHNS 3303 - Grammar and Composition
- or
- FREN 3200 - Critical Reading and Applied Writing
- FREN 3302 - Practical Conversation
- FREN 3303 - Grammar and Composition
- or
- GRMN 3200 - Critical Reading and Applied Writing
- GRMN 3302 - Practical Conversation
- GRMN 3303 - Grammar and Composition
- or
- ITAL 3200 - Critical Reading and Applied Writing
- ITAL 3302 - Practical Conversation

- ITAL 3303 - Grammar and Composition
or
- SPAN 3200 - Critical Reading and Applied Writing
- SPAN 3302 - Practical Conversation
- SPAN 3303 - Grammar and Composition

Notes:

Students may complete up to six credit hours of POLS 4000 Practicum in Political Science and International Affairs in lieu of upper-division elective courses.

- Any 3000- or 4000-level course within your selected language track
- POLS 4000 - Practicum in Political Science and International Affairs

Concentration IV: Applied Global Experience

Students will complete a full-time study abroad program of ten weeks or more. Full-time status will be based upon the criteria set by host institution. Courses taken in this concentration will be taken on a pass/fail basis. Courses must be pre-approved by your International Affairs advisor and by the PSIA department chair prior to departure. All courses must be passed in order for this concentration to be complete.

Note:

Students should be mindful of the 39 credit hour university requirement for upper-division courses when making course selections.

Free Electives (12 Credit Hours)

Any courses in the university curriculum.

Program Total (120 Credit Hours)

University-Wide Degree Requirements (3 Credit Hours)

See listing of requirements.

Graduation Credit Hour Total (123 Credit Hours)

International Affairs Minor

experience. It encourages students to enroll in a for-credit internship. To be eligible to apply to a major in Journalism and Emerging Media, students must meet the School of Communication & Media (SOCM) sophomore GPA requirement of 2.75, pass the SOCM Entrance Exam (three attempts), and be accepted.

General Education (42 Credit Hours)

See listing of requirements

Lower Division Major Requirements (Area F) (18 Credit Hours)

- COM 2020 - CSI: Communication Sources and Investigations
- COM 2129 - Public Speaking
- COM 2033 - Visual Communication
- COM 2135 - Writing for Public Communication
- COM 2230 - Introduction to Mass Communication
- ICT 2101 - Information and Communications Technology

Upper Division Major Requirements: (21 hours)

- JOUR 3330 - News Reporting and Writing
- JOUR 3340 - Digital Media Production
- JOUR 4420 - Advanced Media Writing
- JOUR 4470 - Media Law
- JOUR 4488 - Multi-Media Visions of Community (Capstone)
- COM 3435 - Communication Research Methods
- COM 4480 - Communication Theory

Advanced Digital Journalism (3 credit hours; choose 1 course)

- JOUR 3360 - Photojournalism
- JOUR 4445 - Advanced Digital Audio Production
- JOUR 4450 - Video News Production

- COM 3398 - Internship in Communication
- PR 4605 - Magazine Media

Upper Division Electives (6 hours)

University-Wide Degree Requirements (3 Credit Hours)

- ENGL 4401 - Topics in African Literatures
- ENGL 4460 - 19th-

(students must complete the following course work)

One 3 (three) hour course which focuses on contemporary Latin America or a three-hour course on Latin American Culture and Civilization. Three courses (nine hours) in Latin American Studies, two of which must be outside the student's major, from the following options:

- Any Latin American upper division courses offered in the University System of Georgia
- Six hours may come from courses that have a minimum 25% Latin American component

- POLS 4415 - Civil Liberties
- POLS 4416 - Law and Gender
- POLS 4420 - Judicial Process
- POLS 4466 - Trial Procedure and Evidence
- POLS 4470 - Alternative Dispute Resolution

Program Total (15 Credit Hours)

Lusophone Studies Minor

The Military Leadership Minor challenges cadets to study and practice adaptive leadership skills as they are presented with challenging scenarios related to garrison and tactical operations. The challenges increase throughout the minor courses to build cadet awareness and skills leading tactical operations up to a platoon level. They also conduct various styles of briefings to small and large audiences. The focus is on exploring, evaluating, and developing skills in decision-making, persuading, and motivating team members in Contemporary Operating Environments (COE). The upper-level courses develop individual proficiency in planning, executing, and assessing complex operations; functioning as a member of a staff and providing performance feedback to subordinates. Cadets assess risk, determine ethical decision making, evaluate and instruct cadets at lower levels. Furthermore, cadets will examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. The minor is designed to prepare cadets for their first assignment with case studies, scenarios, and exercises emphasized on practical demands of leading as commissioned officers in the United States Army.

Required Courses (16 Credit Hours)

The following courses must be completed in sequential order:

- MILS 3011 - Adaptive Tactical Leadership
- MILS 3012 - Leadership Change Environment
- MILS 4011 - Developing Adaptive Leadership
- MILS 4012 - Leaders Complex World

Program Total (16 Credit Hours)

Modern Language and Culture B.A.

Bachelor of Arts Degree

College of Arts and Sciences 2024-2025 Catalog (Ar01)

society. Students choose one of five primary languages - Chinese, French, German, Italian, or Spanish - in which they develop and refine language proficiency as well as cross-cultural competence. In the course of their studies, Modern Language and Culture majors acquire and practice the communication skills and cultural competence necessary to function effectively in a global society. The curriculum prepares degree candidates for future academic programs and professional careers in which foreign language proficiency and cultural knowledge are desirable or required or both.

The B.A. in Modern Language and Culture is fully accredited by NCATE (National Council for Accreditation of Teacher Education) and nationally recognized by ACTFL (American Council on the Teaching of Foreign Languages).

All majors must take an official Oral Proficiency Interview (OPI). In addition, majors choosing the "Teacher Certification in a Foreign Language" concentration must receive a minimum rating of "Advanced Low" to graduate and to receive a recommendation for certification. For information about the OPI, see

Select three courses from one of the following concentrations:

Second Language and Culture

- CHNS 1001 - Introduction to Chinese Language and Culture I *(or higher)
or
- FREN 1001 - Introduction to French Language and Culture I * (or higher)
or
- GRMN 1001 - Introduction to German Language and Culture I * (or higher)
or
- ITAL 1001 - Introduction to Italian Language and Culture I * (or higher)
or
- SPAN 1001 - Introduction To Spanish Language and Culture I * (or higher)

- EDUC 2110 - Investigating Critical and Contemporary Issues in Education

- CHNS 3302 - Practical Conversation
- CHNS 3303 - Grammar and Composition
- CHNS 3304 - Readings in Culture I
- CHNS 3305 - Readings in Culture II

- CHNS 3398 - Internship (Completed in Chinese)
or
- CHNS 3390 - Upper-division Study Abroad in Chinese

- CHNS 4404 - Commercial Chinese
- CHNS 4434 - Topics in Language, Literature, and Culture
- CHNS 4456 - Advanced Grammar and Linguistics
- CHNS 4499 - Senior Seminar

French

- FREN 3200 - Critical Reading and Applied Writing
- FREN 3302 - Practical Conversation
- FREN 3303 - Grammar and Composition
- FREN 3304 - Literature and Culture I
- FREN 3305 - Literature and Culture II

- FREN 3398 - Internship (completed in French)
or
- FREN 3390 - Upper-division Study Abroad in French

- FREN 4402 - Contemporary Culture
- FREN 4434 - Topics in Language, Literature, and Culture
- FREN 4456 - Advanced Grammar and Linguistics
- FREN 4499 - Senior Seminar

German

- GRMN 3200 - Critical Reading and Applied Writing
-

- GRMN 4499 - Senior Seminar

Italian

- ITAL 3200 - Critical Reading and Applied Writing
- ITAL 3302 -

Concentration II: Teacher Certification in Foreign Languages (33 Credit Hours)

The Teacher Certification in Foreign Language concentration is designed to prepare Foreign Language Education teachers at all grade levels (pre-kindergarten through grade 12). It leads to P-

- PSYC 3355 - Cross-Cultural Psychology

Related Studies (9 Credit Hours)

(Applies to concentrations I, III, and IV only): Nine hours of upper-division studies beyond the major requirements must be approved by the academic advisor. Lower division courses or additional internship or study abroad may also be approved when appropriate.

Free Electives (9 Credit Hours)

(Applies to concentrations I, III, and IV only): Any courses in the university curriculum.

Prerequisite Total: Concentrations I, III, and IV (120 Credit Hours)

Prerequisite Total: Concentration II (123 Credit Hours)

University-Wide Degree Requirements

Consisting of requirements.

Multi-platform News Reporting Certificate

Required Courses (12 Credit Hours)

Program Total (18 Credit Hours)

- PHIL 3020 - American Philosophy
- PHIL 3030 - Existentialism
- PHIL 3130 - Feminist Philosophy
- PHIL 4000 - Nineteenth Century Western Philosophy
- PHIL 4010 - Contemporary Western Philosophy
- PHIL 4450 - Major Figures in Philosophy (appropriate to the track and approved by the student's advisor)
- PHIL 4460 - Major Themes in Philosophy (appropriate to the track and approved by the student's advisor)

2. Non-

University-Wide Degree Requirements (3 Credit Hours)

See listing of requirements.

Graduation Credit Hour Total (123 Credit Hours)

Philosophy Minor

Susan Rouse

Department of History and Philosophy

(470) 578-6294

<http://hp.hss.kennesaw.edu/programs/minor-philosophy/>

communication, in particular journalism and public relations. It is designed for students seeking preparation for careers in a number of fields, for example, political consultants, campaign managers, legislative aids, lobbyists, public policy and media analysts, speech writers, political journalists, and public relations professionals.

Required Courses (9 Credit Hours)

- PR 3335 - Public Relations Principles
or
- PR 3429 - Pers

attend law school; serves as prerequisite for graduate study in a number of social science disciplines; and is an ideal liberal arts major for careers in business, journalism, public and international affairs, the federal government, state and local government, teaching, interest groups, campaign management, communications, and many others.

Supervised internships and cooperative study programs at sites in business, industry and government are available and students are strongly urged to participate.

General Education (42 Credit Hours)

See listing of requirements.

Lower Division Major Requirements (Area F) (18 Credit Hours)

- POLS 2212 - State and Local Government
- POLS 2240 - Introduction to Comparative Politics
- POLS 2250 - Introduction to International Relations
- POLS 2270 - Political Ideologies
- POLS 2280 - Research Methods
and
- Option A: Foreign Language 2001 level
or
- Option B: MATH 1107 (if MATH 1107 has been taken in Area D, student may choose MATH 1160 or MATH 1190)

Upper-Division Major Requirements (15 Credit Hours)

- POLS 4499 - Senior Seminar

Choose one course from four of the five subfields

Subfield 1: American Government and Politics

- POLS 3360 - The United States Congress
- POLS 3370 - The United States Presidency
- POLS 3385 - Campaigns and Elections

Subfield 2: Global Studies

- POLS 3350 - American Foreign Policy
- POLS 4430 - International Law and Organization
- POLS 4436 - Politics of Developing Areas

Subfield 3: Political Theory

- PO1TJ ET Q T2 1 Tf..24 0 0 0.20 0 50 0 0 Tm /TT2 1 Tf () Tj ET Q q (324 00 0 0 50 0 m /TT2 1T

- POLS 4427 - American Political Thought
- POLS 4428 - Race, Gender, and the Politics of Difference

Subfield 4: Public Law and Administration

- POLS 3300 - U.S. Constitution and Courts
- POLS 3343 - Principles of Public Administration
- POLS 4412 -

Free Electives (15 Credit Hours)

- Any courses in the university curriculum totaling 15 credit hours.

- POLS 3360 - The United States Congress
- POLS 3370 - The United States Presidency
- POLS 3380 - Mass Media and Politics
- POLS 3385 - Campaigns and Elections
- POLS 3388 - Lobbying and Interest Groups
- POLS 3390 - Political Research On-Line
- POLS 3394 - Public Polling and Survey Techniques
- POLS 4200 - Homeland Security Administration
- POLS 4280 - Advanced Research Methods and Data Analysis
- POLS 4402 - Political Parties
- POLS 4405 - Comparative Legal Systems
- POLS 4410 - American Legal System
- POLS 4411 - Criminal Law
- POLS 4412 - Urban Affairs and Problems
- POLS 4415 - Civil Liberties
- POLS 4416 - Law and Gender
- POLS 4420 - Judicial Process
- POLS 4423 - Great Political Thinkers
- POLS 4427 - American Political Thought
- POLS 4428 - Race, Gender, and the Politics of Difference

Complete any 6 (six) credit hours in 3000-4000 level POLS courses.

Program Total (15 Credit Hours)

Professional Politics Certificate - Embedded

Department of Political Science and International Affairs
(470) 578-6227

Courses in the program focus on applied skills and settings: campaign management, media and politics, polling, public policy, and lobbying.

Students receiving the certificate must complete 15 semester hours, as outlined below. The internship serves as a capstone experience for the program and is limited to professional political settings. Credit hours for the internship may range from 3 to 12 semester hours depending on the number of hours worked per week.

Choose 12 hours from the following options:

- POLS 3313 - Public Policy Analysis
- POLS 3380 - Mass Media and Politics
- POLS 3385 - Campaigns and Elections
- POLS 3388 - Lobbying and Interest Groups
- POLS 3390 - Political Research On-Line
- POLS 3394 - Public Polling and Survey Techniques
- POLS 4410 - American Legal System
- POLS 4420 - Judicial Process
- POLS 4444 - Administrative Practices and Organization

Required Capstone Experience (3 Credit Hours)

- POLS 3398 - Internship

Program Total (15 Credit Hours)

Professional Writing Minor

Mike Tierce
Department of English
(470) 578-6612

<http://english.hss.kennesaw.edu/programs/minor-writ/>

The minor in professional writing prepares students to be critical thinkers, careful researchers, and creative and capable writers who are able to respond effectively to contemporary writing tasks and opportunities. Students receive advanced instruction in rhetoric, editing, technologies of writing, workshop critique, and the production of workplace, academic, and creative texts. The minor provides a credential in writing, which is a desirable supplement to a variety of undergraduate majors.

Select four of the following (12 Credit Hours)

- FILM 3105 - Fundamentals of Writing for Film and Television

-

Diversity and Multicultural Area:

Prereq: PSYC 1101. Choose one of the following courses:

- PSYC 3355 - Cross-Cultural Psychology
- PSYC 3385 - Ethnic Minority Psychology
- PSYC 3395 - Psychology of Prejudice and Privilege
- PSYC 3401 - Psychology of Diversity
- PSYC 3425 - Psychology of Gender
- PSYC 4000 - International Psychology

Personality and Social Area:

- COM 2033 - Visual Communication
- COM 2135 - Writing for Public Communication
- COM 2230 - Introduction to Mass Communication
- ICT 2101 - Information and Communications Technology

Upper Division Major Requirements (21 Credit Hours)

- COM 3435 - Communication Research Methods
- COM 4480 - Communication Theory
- PR 3335 - Public Relations Principles
- PR 3355 - Public Relations Cases
- PR 3375 - Public Relations Writing
- PR 4460 - Crisis Communication
- PR 4465 - Public Relations Campaigns (Capstone)

Major Electives (12 Credit Hours)

Choose four from the courses below:

- PR 4405 - Digital Publication Design
- PR 3380 - PR Strategies and Tactics
- PR 4210 - Social Media for Strategic Communication
- PR 4605 - Magazine Media
- PR 3429 - Persuasion Methods and Strategies
- JOUR 3330 - News Reporting and Writing
- JOUR 3340 - Digital Media Production
-

- PR 4405 - Digital Publication Design
- PR 4605 - Magazine Media
- JOUR 3310 - Concepts in New Media
- JOUR 3330 - News Reporting and Writing
- JOUR 3340 - Digital Media Production
- JOUR 3360 - Photojournalism
- JOUR 4420 - Advanced Media Writing

Related Studies (12 Credit Hours)

Upper division coursework (3000-4000 level) must be outside of the School of Communication & Media.

Free Electives (12 Credit Hours)

Any course (1000-4000) in the university curriculum (including PR/COM), with a grade of "D" or better.

Program Total (120 Credit Hours)

University-Wide Degree Requirements (3 Credit Hours)

See listing of requirements.

Program Total (15 Credit Hours)

Religious Studies Minor

Thomas Pynn
Interim Coordinator, Religious Studies
(470) 578-2431
<http://rels.hss.kennesaw.edu/program/rels-minor/>

The Religious Studies Minor program consists of fifteen (15) credit hours (five courses) of undergraduate study across traditional disciplines. A minimum of six (6) hours in the minor must be taken in residence at Kennesaw State University.

Required Courses (9 Credit Hours)

-

Katya Vladimirov, Coordinator

competencies of the program prepare students to enter careers requiring technological facility, communication skills, data gathering and analysis skills, community awareness and involvement, problem-solving, critical thinking, an understanding of the structure and functioning of groups and organizations, greater awareness of their environment, critical self-reflection, and interpersonal and intercultural skills. Besides career preparation, specific concentrations in the major also provide background for graduate study in sociology and other related disciplines. With the applied focus on modernization and social change, students who graduate with a degree in Sociology that is complemented by a knowledge of other social sciences would be prepared to work as urban planners, demographers and data analysts, public survey workers, social research assistants, affirmative action officers, employee specialists, cultural diversity trainers, criminologists in law enforcement and corrections, and numerous other occupations. The program of study offers students both intellectual growth and marketable technical skills. Students who plan graduate work in sociology or related fields will likewise be introduced to the core studies necessary for the pursuit of their respective disciplines. Included in the curriculum are concentrations in:

Organizational and Social Change

Among other things students will understand how organizations and occupations are modified, how and why family structures are transformed, and how social mobility occurs.

Cultural Diversity Studies

Students will acquire a global perspective and the conceptual tools necessary to work in a variety of professional settings and academic positions.

Criminology

Students will learn about the causes of crime, how to measure the extent of crime, and how to critically examine the approaches used to prevent, sanction, and change criminal behavior.

Medical Sociology

Students will develop a critical understanding of the health care delivery system and its various stakeholders, including patients, organizations, and providers. Other areas with the medical sociology concentration include aging, mental health, human sexuality, biotechnology and ethical issues, and substance abuse.

General Education (42 Credit Hours)

See listing of requirements.

Lower Division Major Requirements (Area F) (18 Credit Hours)

Required Courses (9 Credit Hours)

- SOCI 1101 - Introduction to Sociology
- SOCI 2251 - Social Problems
- SOCI 2210 - Professional Development for Sociology Students

Electives (9 Credit Hours)

Select three of the following:

- ANTH 1102 - Introduction to Anthropology
- COM 1100 -

Select five courses in one concentration area:

Criminology Concentration

- CRJU 3352

- SOCI 4420 - Advanced Quantitative Research Methods in Sociology
- SOCI 4443 - Medical Sociology
- SOCI 4445 - Sociology of Mental Illness

Organizational and Social Change Concentration

- GEOG 3330 - Economic Geography
- MGT 3100 - Management and Behavioral Sciences
- PSYC 3370 - Industrial-Organizational Psychology
- MKTG 3100 - Principles of Marketing
- SOCI 3310 - Introduction to Gerontology
- SOCI 3315 - Comparative and Transnational Sociology
- SOCI 3324 - Sociology of Gender
- SOCI 3354 - Social Class and Mobility
- SOCI 3364 - Sociology of the Family
- SOCI 3374 - Sociology of Occupations
- SOCI 4410 - Advanced Qualitative Research Methods in Sociology
- SOCI 4420 - Advanced Quantitative Research Methods in Sociology

Related Studies (9 Credit Hours)

- Related Studies Electives 9 hours: Nine hours of upper-division (3000-4000) studies beyond the major requirements as approved by the academic advisor. Lower division courses or additional internship hours may also be approved when appropriate.

Free Electives (12 Credit Hours)

Any courses in the university curriculum.

Program Total (120 Credit Hours)

University-Wide Degree Requirements (3 Credit Hours)

See listing of requirements.

Graduation Credit Hour Total (123 Credit Hours)

Sociology Minor

Dawn Baunach
Department of Sociology and Criminal Justice
470-578-6739

- SOCI 4490 - Special Topics in Sociology

Program Total (15 Credit Hours)

Spanish Minor

Advisor: Patricia P. Wood

- MATH 1107 - Introduction to Statistics is recommended in Area D of the General Education Program.
- COM 1100 - Human Communication is recommended in Area B2.

Area F Lower Division Major Requirements (18 - 19 Credit Hours)

-

- DWMA 4430 - Visual Design II for Content Creators

Data Analysis and Presentation Concentration

- TCOM 3020 - Designing Effective Proposals
- TCOM 3145 - Designing Social Media Infrastructure
- TCOM 3245 - SEO and Analytics for Technical Communicators
- INDS 3350 - Information Visualization I
- DWMA 4430 - Visual Design II for Content Creators

User Experience Design Concentration

- TCOM 3045 - Fundamentals of Information Design
- TCOM 3070 - User Assistance
- TCOM 4120 - Usability Testing
- DWMA 3800 - Front-End Development II
- DWMA 4430 - Visual Design II for Content Creators

Related Studies (12 Credit Hours)

12 hours of additional 3000-4000 level courses in the Technical Communication major or from any 3000-4000 level courses in the university curriculum.
Must pass with a C or better.

Free Electives (14* - 15 credit hours)

Any courses within the university curriculum.
Must pass with a D or better.

*If CS 1301 or CSE 1301 is taken in Area F

Program Total: (120 Credit Hours)

University-Wide Degree Requirements (3 Credit Hours)

See listing of requirements.

Graduation Credit Hour Total (123 Credit Hours)

Writing and New Media B.A.

Department of Digital Writing and Media Arts
College of Humanities and Social Sciences
Marietta Campus - Atrium Building, J-333
470-578-7202 or dwma@kennesaw.edu

The Bachelor of Arts in Writing and New Media degree program emphasizes the role and place of text and image within a world increasingly dependent upon writing and new media proficiency. Project driven courses challenge students to implement real-world applications in nearly every class. Specialized course-work and individual attention allows graduated to begin work immediately, satisfying the demand for professionals who can communicate using both

- Environmental Science
- Mathematics
- Physics

Programs of Study

The College of Science and Mathematics offers the following undergraduate degrees:

- Bachelor of Science in Biology[VLB1]
- Bachelor of Science in Biochemistry
- Bachelor of Science in Chemistry
- Bachelor of Science in Computational and Applied Mathematics
- Bachelor of Science in Environmental Science
- Bachelor of Science in Mathematics
- Bachelor of Science in Mathematics Education
- Bachelor of Science in Physics

Certificate Programs

The College of Science and Mathematics offers the following certificate programs:

- Certificate in Applied Mathematics
- Certificate in Applied Statistics and Data Analysis

Applied Mathematics Minor

Contact: Ana-Maria Croicu

Department of Mathematics

(470) 578-6327

<http://csm.kennesaw.edu/mathematics/programs/applied-mathematics->

Applied Statistics and Data Analysis Minor

Contact: Michael Frankel

Bachelor of Science Degree
College of Science and Mathematics,
Department of Chemistry and Biochemistry
(470) 578-6159

<http://csm.kennesaw.edu/chemistry-biochemistry/programs/bs-biochemistry.php>

The BS in Biochemistry is de

- CHEM 3362 - Modern Organic Chemistry II
 - CHEM 3362L - Modern Organic Chemistry Lab II
 - CHEM 3050 - Physical Chemistry
 - CHEM 3501 - Biochemistry I: Structure and Function of Biological Macromolecules
 - CHEM 3501L - Biochemistry I Laboratory
 - CHEM 3502 - Biochemistry II: Metabolism
- Choose One of the Following:
- CHEM 3398 - Internship
 - CHEM 3540L - Advanced Biochemistry Laboratory
 - CHEM 4100 - Directed Applied Research
 - CHEM 4120L - Research Methods Laboratory

Supporting Disciplines (18 Credit Hours)

- BIOL 1107 - Biological Principles I
- BIOL 1107L - Biological Principles I Laboratory
- BIOL 1108 - Biological Principles II
- BIOL 1108L - Biological Principles II Laboratory
- BIOL 3300 - Genetics
- BIOL 3300L - Genetics Laboratory

Supporting Discipline Electives:

Choose six hours from the following:

- BIOL 3301K - Introduction to Biotechnology
- BIOL 3317 - Pathophysiology
- BIOL 3327 - Medical Genetics
- BIOL 3340 - Microbiology
- BIOL 3400 - Drugs and Biologics: From Conception to Regulatory Approval
- BIOL 3410 - Cell Biology
- BIOL 4100K - Molecular Genetics
- BIOL 4411K - Stem Cell Technology
- BIOL 4412K - Cell and Tissue Culture
- BIOL 4420K - Plant Physiology
- BIOL 4440 - Toxicology
- BIOL 4455 - Case Studies in Forensic Science
- BIOL 4465 - Immunology
- BIOL 4475 - Virology
- BIOL 4490 - Special Topics in Biology
- BIOL 4500K - Bioinformatics I
- BIOL 4510K - Bioinformatics II
- BIOL 4550 - Cancer Biology
- BIOL 4630 - Advanced Topics in Cell & Molecular Biology
- Other 3000-4000 level course as approved by the department chair

Ecology/Environmental Biology Track: This track is designed for students interested in pursuing a career in the field of Ecology or Environmental Biology. Students completing this track will have the knowledge and skills to pursue further graduate education or obtain

- MATH 1113 - Precalculus
- MATH 1190 - Calculus I

Lower Division Major Requirements (Area F) (18 Credit Hours)

- Lab/math credit from General Education (2 Credit Hours)
- BIOL 1107 - Biological Principles I
- BIOL 1107L - Biological Principles I Laboratory
- BIOL 1108 - Biological Principles II
- BIOL 1108L - Biological Principles II Laboratory

- PHYS 1111 - Introductory Physics I
- PHYS 1111L - Introductory Physics Laboratory I
or
- PHYS 2211 - Principles of Physics I
- PHYS 2211L - Principles of Physics Laboratory I
AND
- PHYS 1112 - Introductory Physics II
- PHYS 1112L - Introductory Physics Laboratory II
or
- PHYS 2212 - Principles of Physics II
- PHYS 2212L - Principles of Physics Laboratory II

- CHEM 1211 - General Chemistry I *
- CHEM 1211L - General Chemistry I Laboratory *
- AND
- CHEM 1212 - General Chemistry II *
- CHEM 1212L - General Chemistry II Laboratory *

* If not taken in General Education

Upper Division Major Requirements (48 Credit Hours)

I. Biology Core Courses

- BIOL 3300 - Genetics
- BIOL 3300L - Genetics Laboratory
- BIOL 3370 - Ecology
- BIOL 3370L - Ecology Laboratory
- BIOL 3410 - Cell Biology
- BIOL 4399 - Seminar ²

II. Statistics Requirements

- STAT 3125 - Biostatistics

- BIOL 4115 - Parasitology
- BIOL 4350K - Comparative Vertebrate Anatomy
- BIOL 4390K - Developmental Biology
- BIOL 4400 - Directed Study
- BIOL 4402 - Research Internship
- BIOL 4431L - Human Physiology Laboratory
- BIOL 4432K - Human Anatomy
- BIOL 4440 - Toxicology
- BIOL 4460K - Medical Microbiology
- BIOL 4465 - Immunology
- BIOL 4475 - Virology
- BIOL 4486 - Bioethics
- CHEM 3010 - Medicinal Chemistry
- CHEM 3500L - Biochemistry Laboratory

Pre-D.V.M.

Required Courses (14 Credit Hours)

- BIOL 3340 - Microbiology
-

- BIOL 3310K - Invertebrate Zoology
- BIOL 3315K - Vertebrate Zoology
- BIOL 3320K - Plant Morphology
- BIOL 3330K - Biology of the Algae
- BIOL 3335K - Natural History of Georgia
- BIOL 3372K - Aquatic Biodiversity
- BIOL 3700K - Ichthyology
- BIOL 4322 - Plant Systematics

Concept and Techniques Courses (at least 9 Credit Hours)

See footnote 3.

-

Electives (9

- BIOL 4480 - Food Microbiology
- BIOL 4490 - Special Topics in Biology
- BIOL 4620 - Advanced Topics in Ecology & Evolution
- BIOL 4630 -

- BIOL 4500K - Bioinformatics I
- BIOL 4510K - Bioinformatics II
- BIOL 4550 - Cancer Biology
- BIOL 4630 -

Graduation Credit Hour Total (123-125 Credit Hours)

Notes:

1

- MATH 2203

- CHEM 3105L - Inorganic Synthesis
- CHEM 3361 - Modern Organic Chemistry I
- CHEM 3361L - Modern Organic Chemistry Lab I
- CHEM 3362 - Modern Organic Chemistry II
- CHEM 3362L - Modern Organic Chemistry Lab II
- CHEM 3500 - Biochemistry
- CHEM 3500L - Biochemistry Laboratory
- CHEM 3800 - Forensic Analytical Chemistry
- CHEM 4300 - Instrumental Analytical Chemistry
- CHEM 4310L - Advanced Analytical Chemistry Lab

Choose One of the Following:

- CHEM 3398 - Internship (2 credit hours)
- CHEM 4100 - Directed Applied Research (2 credit hours)
- CHEM 4120L - Research Methods Laboratory

Supporting Disciplines (21 Credit Hours)

- CRJU 1101 - Foundations of Criminal Justice
- CRJU 3320 - Criminal Investigation
- BIOL 1107 - Biological Principles I
- BIOL 1107L - Biological Principles I Laboratory
- BIOL 1108 - Biological Principles II
- BIOL 1108L - Biological Principles II Laboratory
- STAT 3125 - Biostatistics

Choose One:

- BIOL 3300 - Genetics and
- BIOL 3300L - Genetics Laboratory
- or
- BIOL 3338K - Histology
- or
- BIOL 3340 - Microbiology and
- BIOL 3340L - Microbiology Laboratory

Free Electives (8 Credit Hours)

Any courses in university curriculum. See advisor for recommendations.

Pharmaceutical Chemistry Track (60 Credit Hours)

Upper-Division Major Requirements (29 Credit Hours)

- CHEM 3000 - Chemical Literature

- CHEM 3010 - Medicinal Chemistry
- CHEM 3030 - Pharmaceutical Analytical Chemistry

- CHEM 3398 - Internship (2 c

- MATH 3272 - Introduction to Linear Programming
- MATH 3396 - Cooperative Study
- MATH 3398 - Internship
- MATH 3405 - Probabilistic Foundations of Actuarial Science
- MATH 3496 - Elementary Number Theory
- MATH 3696 - College Geometry
- MATH 4260 - Linear Algebra II
- MATH 4310 - Partial Differential Equations

- CHEM 3700 - Environmental Chemistry
- CHEM 3710L - Environmental Chemistry Lab

IV. Political Science Requirement

- POLS 3356 - U.S. Environmental Policy & Politics
- ENVS 3450 - Conservation Biology

V. Surveying Requirement

- SURV 2110 - Introduction to Mapping

VI. Environmental Science Electives (8-10 Credit Hours)

Choose from the list below:

- BIOL 3310K - Invertebrate Zoology
- BIOL 3315K - Vertebrate Zoology
- BIOL 4422K - Plant Ecology
- BIOL 3340 - Microbiology
- BIOL 3250K - Ecosystem Ecology
- BIOL 3371K - Freshwater Ecology
- BIOL 3650 - Marine Biology
- BIOL 3700K - Ichthyology
- BIOL 3372K - Aquatic Biodiversity
- BIOL 3320K - Plant Morphology
- BIOL 3380 - Evolutionary Biology
- BIOL 4115 - Parasitology
- CHEM 2800 - Quantitative Analytical Chemistry
- CHEM 2800L - Quantitative Analytical Chemistry Laboratory
- CHEM 3701 - Atmospheric Chemistry
- ENVS 3398 - Internship
- ENVS 3350 - Oceanography
- ENVS 3150K - Environmental Toxicology
- ENVS 3730 - Natural Resource Management
- ENVS 3450 - Conservation Biology
- ENVS 4000K - W

Program Total (120 Credit Hours)

University-Wide Degree Requirements

See listing of requirements.

Mathematics B.S.

Bachelor of Science Degree
College of Science and Mathematics,
Department of Mathematics
(470) 578-6327

<http://csm.kennesaw.edu/mathematics/programs/bs-mathematics.php>

The program of study leading to the Bachelor of Science degree in Mathematics offers formal training in problem solving, critical and quantitative thinking and logical argument. With these highly employer-valued skills, the B.S. in Mathematics is intended for students deeply interested in mathematics and wishing to pursue a career in a mathematical field or graduate study.

General Education (42 Credit Hours)

See listing of requirements.

Specific General Education requirements for this major

- MATH 1190 - Calculus I
- MATH 2202 - Calculus II

Lower Division Major Requirements (Area F) (18 Credit Hours)

- Overflow hour from Calculus 1
- MATH 2203 - Calculus III
- MATH 2390 - Introduction to Logic, Set Theory, and Proofs
- MATH 2306 - Ordinary Differential Equations
- MATH 2332 - Probability and Data Analysis
- CS 1301 - Programming Principles I

Upper Division Major Requirements (28 Credit Hours)

- Overflow hour from Calculus II
- MATH 3204 - Calculus IV
- MATH 3260 - Linear Algebra I

- MATH 3322 - Graph Theory
or
- MATH 3324 - Enumerative Combinatorics

- MATH 4260 - Linear Algebra II
- MATH 4361 - Modern Algebra I
- MATH 4362 - Modern Algebra II
- MATH 4381 - Real Analysis I
- MATH 4382 - Real Analysis II
- MATH 4391 - Complex Analysis

Upper Division Mathematics Electives (12 Credit Hours)

Choose 12 credit hours from:

Science Requirement -

Lower Division Major Requirements (Area F) (18 Credit Hours)

- One overflow hour from MATH 1190
- One overflow hour from MATH 2202
- EDUC 2110 - Investigating Critical and Contemporary Issues in Education
- EDUC 2120 - Sociocultural Influences on Teaching and Learning
- MATH 2332 - Probability and Data Analysis
- MATH 2390 - Introduction to Logic, Set Theory, and Proofs
- MATH 2203 - Calculus III

Teaching Field Requirements (24 Credit Hours)

- MATH 3260 - Linear Algebra I
- MATH 3295 - Mathematics for Middle Grades and Secondary Teachers
- MATH 3395 - Geometric Proofs and Applications
-

University-Wide Degree Requirements (3 Credit Hours)

See listing of requirements.

- MATH 4345 - Numerical Methods II
- MATH 4361 - Modern Algebra I
- MATH 4362 - Modern Algebra II
- MATH 4381 - Real Analysis I
- MATH 4382 - Real Analysis II
- MATH 4391 - Complex Analysis
- MATH 4400 - Directed Study
- MATH 4490 - Special Topics in Mathematics
- MATH 4596 - Topology
- MATH 4699 - Undergraduate Research

Program Total (15 Credit Hours)

Physics64 c 0 Tm /TT2 1 Tf () Tj ET Q 6 584.64 cm BTq 0.24 0 0

foundations of how to teach while the physics education courses brings the two together so that individuals not only know physics and how to teach but more importantly how to teach physics in the classroom.

General Education (42 Credit Hours)

See listing of requirements.

Lower Division Major Requirements (Area F) (18 Credit Hours)

- PHYS 2211 - Principles of Physics I
- PHYS 2211L - Principles of Physics Laboratory I
- PHYS 2212 - Principles of Physics II
- PHYS 2212L - Principles of Physics Laboratory II
- PHYS 2213 - Principles of Physics III ¹
- MATH 2202 - Calculus II
- MATH 2203 - Calculus III

Upper Division Major Requirements (48-68 Credit Hours)

I. Physics Core Courses: (23 credits)

- PHYS 3210 - Intermediate Mechanics
- PHYS 3220 - Electromagnetism 1
- PHYS 3500K - Introduction to Computational Physics
- PHYS 3710 - Modern Physics
- PHYS 3720L - Modern Physics Laboratory
- PHYS 4210 - Quantum Physics
- PHYS 4230 - Thermal Physics

II. Math Requirement (3 Credit Hours)

- MATH 2306 - Ordinary Differential Equations (must pass with a "C" or better)

IIIa. General Physics Track (34 Credit Hours)

See Note 2 below.

Required Courses (8 Credit Hours)

- PHYS 3260 - Mathematical Physics

Electives (23 Credit Hours)

Any 3000 or 4000-level course in Physics, Math, Engineering, or Computing. A minimum of 9 of these credits must be in Physics.

IIIb. Electrical Engineering Track (31 Credit Hours)

See Note 1 below.

Required Courses (31 Credit Hours)

- PHYS 4240 - Solid State Physics
- EE 2301 - Circuit Analysis I
- EE 2302 - Circuit Analysis II
- EE 2501 - Digital Logic Design
- EE 2401 - Semiconductor Devices
- EE 3701 - Signals and Systems
- EE 3401 - Engineering Electronics
- EE 4201 - Control Systems
- ENGR 2214 - Engineering Mechanics - Statics

OR

- CHEM 1212 - General Chemistry II

Note: If BIOL 1107 and/or CHEM 1211 is taken in General Education Requirements Area D, CHEM 1212 should be taken. If CHEM 1211 and CHEM 1212 are taken in General Education Requirements Area D, BIOL 1107 should be taken.

Professional Education Courses (32 Credit Hours)

- EDSM 1101 - Step 1: Inquiry Approaches to Teaching
- EDSM 1102 - Step 2: Inquiry-based Lesson Planning
- EDSM 2010 - Knowing and Learning in Science
- ITEC 3300 - Improving Learning with Technology in High School Classrooms

(470) 578-4205

<http://csm.kennesaw.edu/physics/programs/physics-minor.php>

Apparel and Textiles Minor

To be el

- Technical Fashion Design
- International Sourcing
- Fashion Forecasting
- Product Development
- Merchandising
- Project Management
- Apparel Marketing

- ATT 1150 - The History of Fashion
- ACCT 2100 - Introduction to Financial Accounting
- ATT 1200 - Apparel Design Graphics
- ATT 1300 - International Sourcing
- ATT 1400 - Principles of Merchandising
- TCOM 2010

the engineering profession.

The Bachelor of Science in Civil Engineering program is accredited by the Engineering

Course Requirements

Courses	Civil Engr	Construction Engr	Electrical Engr	Environ Engr	Mech Engr	Mech Engr	Ind & Sys
---------	---------------	----------------------	--------------------	-----------------	--------------	--------------	--------------

- CHEM 1212 - General Chemistry II
- CHEM 1212L - General Chemistry II Laboratory
One Credit Hour from Area A
Two Credit Hours from Area D

Upper Division Major Requirements (58 Credit Hours)

- MATH 2306 - Ordinary Differential Equations
- ENVS 2202 - Introduction to Environmental Science (eCore)*
- EDG 2160 - Civil Graphics and Computer Aided Drafting
- ENGR 3131 - Strength of Materials
- ENGR 3132 - Strength of Materials Lab
- ENGR 3305 - Data Collection and Analysis in Engineering
- ENGR 3324 - Project ET 90 0 0.24 0.2(i) -0.2 (neeri) -0.2n0.48cm BT 50 0 0 50 0 0 Tm /TT2 1 Tf [

- CE 4105 - Foundation Design
- CE 4705 - Advanced Soil Mechanics

CEDG 3- Transportation Engineering

- CE 4178 - Highway Design and Construction
- CE 4706 - Pavement Engineering

CEDG 4- Other Engineering

- CE 3398 - Internship in Civil Engineering
 - CE 4103 - Design of Steel Structures
 - CE 4704 - Engineering Hydraulic Analysis and Design
 - CE 4707 - Design of Wood Structures
 - CM 3040 - Building Information Modeling I
- Any Upper-Division (3000's and 4000's) Surveying & Mapping courses

Program Total (130 Credit Hours)

University

Graduates of these programs are qualified for employment as engineering technologists with companies that utilize computers in computation and control activities as well as companies that design, manufacture, market, install, and service computers and computer networks.

The Bachelor of Science in Computer Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>.

General Education (42 Credit Hours)

See listing of requirements.

Required Courses Specific to the Major:

- COM 1100 - Human Communication (Recommended but not required)

- MATH 1112 - College Trigonometry
or
- MATH 1113 - Precalculus

- MATH 1190 -

Graduate will specialize in the development and implementation of networks of computers and micro-controllers. Applications include Telemedicine, factory automation systems, point-of-sales systems, and robotics. There will be heavy emphasis of high-level programming using C,

The Construction Engineering curriculum offers a balance of coursework in engineering analysis, engineering design, construction practice, and construction management.

CHEM 1212/1212L

- ENVS 2202 Environmental Science (eCore)
- OR
- MATH 3XXX or 4XXX (Any upper-level math course)
- OR
- BIOL 1107 - Biological Principles I

- ENGR 2214 - Engineering Mechanics - Statics
- ENGR 3131 - Strength of Materials
- ENGR 3132 - Strength of Materials Lab
- ENGR 3305 - Data Collection and Analysis in Engineering
- ENGR 3324 - Project Cost Analysis
- ENGR 3343 - Fluid Mechanics
- CE 1000 - Orientation to Engineering and Surveying Professions
- CE 2003 - Engineering Problem Solving
- CE 3201 - Structural Analysis
- CE 3501 - Materials for Civil & Construction Engineering
- ~~MA~~ Material for Civil & Construction Engineering

- C&E and Constructio

- MATH 1190 - Calculus I
- MATH 2202 - Calculus II
- PHYS 2211 - Principles of Physics I
- PHYS 2211L - Principles of Physics Laboratory I
- PHYS 2212 - Principles of Physics II
- PHYS 2212L - Principles of Physics Laboratory II

Lower Division Major Requirements (Area F) (18 Credit Hours)

- ENGR 2214 - Engineering Mechanics - Statics
- MATH 2203 - Calculus III
- CHEM 1211 - General Chemistry I

Upper Level Electives (15 Credit Hours)

- EE 3/4XXX - Technical Electives (9 Credit Hours)
- Engineering Science Elective (3 Credit Hours)*
- Math above MATH 2335 (3 Credit Hours)

Program Total (130 Credit Hours)

University-Wide Degree Requirements

See listing of

General Education (42 Credit Hours)

See listing of requirements.

Specific General Education Requirements for this Major

- COM 1100 - Human Communication
- MATH 1112 - College Trigonometry
or
- MATH 1113 - Precalculus
- MATH 1190 - Calculus I
- PHYS 2211 - Principles of Physics I *
- PHYS 2211L - Principles of Physics Laboratory I *
- PHYS 2212 - Principles of Physics II *
- PHYS 2212L - Principles of Physics Laboratory II *

Note:

* PHYS 1111, PHYS 1111L and PHYS 1112/PHYS 1112L may be substituted for PHYS 2211/PHYS 2211L and PHYS 2212/PHYS 2212L.

Lower Division Major Requirements (Area F) (18 Credit Hours)

- EDG 1210

- ECET 2111 - Circuits II
- ECET 2210 - Digital II
- ECET 2300 - Electronics I
- ECET 2310 - Electronics II
- ECET 3220 - Digital III
- ECET 3400 - Data Communications
- ECET 3410 - High Frequency Systems
- ECET 3500 - Survey of Electric Machines
- ECET 3600 - Test Engineering
- ECET 3620 - Signals and Systems Analysis
- ECET 4610 - Control Systems

Electrical Engineering Technology Electives (13 Credit Hours)

Students may wish to focus their EET electives in a particular area of Electrical Engineering Technology. Suggested choices in the areas of biomedical, communications, digital, power, and telecommunications are listed below:

Biomedical

- ECET 3020 - Biomedical Instrumentation
- ECET 3030 - Biomechanics
- ECET 4010 - Virtual Biomedical Instrumentation
- ECET 4020 - Biomedical Imaging
- ECET 4030 - Bioinformatics and Telemedicine
- ECET 4040 - Biometrics
- ECET 4050 - BMET Capstone (Project)

Communications

- ECET 4320 - Active Filters
- ECET 4330 - Audio Technology
- ECET 4420 - Communications Circuit Applications
- ECET 4431 - Wireless Communications Systems
- ECET 4432 - Fiber-optic Communications Systems
- ECET 4450 - RF Electronics
- ECET 4820 - Communications Networks and the Internet

Digital

- ECET 3640 - Introduction to Systems Engineering and Robotics
- ECET 3701 - Embedded PCs
- ECET 4630 - Digital Signal Processing
- ECET 4710 - Network Programming and Interfacing
- ECET 4720 - Distributed Microcontrollers and PCs
- ECET 4730 -

- ECET 4820 - Communications Networks and the Internet

Power

- ECET 4510 - Power System Analysis
- ECET 4520 - Industrial Distribution Systems, Illumination, and the NEC
- ECET 4530 - Industrial Motor Control
- ECET 4540 - Introduction to Power Electronics
- ECET 4560 - Electric Drives

Telecommunications

- ECET 3810 - Applications of C++, JAVA and HTML
- ECET 4820 - Communications Networks and the Internet
- ECET 4840 - Advanced Telecommunications
- ECET 4850 - Telecommunications Project
- ECET 4860 - Network Security

Program Total (128 Credit Hours)

Program Total (16 Credit Hours)

Environmental Engineering B.S.

Environmental engineering is a diverse field of Civil Engineering that covers both traditional water/waste-water treatment and emerging issues of public health. Much of the world still suffers from a lack of sanitation and clean water and environmental engineers are trained to solve these and many other problems. Environment engineers apply the principles of science and mathematics to protect public health and minimize human impacts on the environment.

Challenges in energy, water resources, solid/hazardous waste, air quality, globalization, climate change, and environmental degradation must be addressed in a comprehensive effort to promote a sustainable and resilient society. Graduates of Kennesaw State University (KSU) Environmental Engineering program are prepared for careers devoted to finding solutions to these and other problems. The KSU Environmental Engineering program provides a comprehensive education with special emphasis on the demands of water pollution, air pollution, water and waste-water treatment, solid and hazardous waste management and treatment, and other emerging environmental issues, including sustainable air, water, and land resources, human health, and environmental restoration. The program prepares students for entry-level environmental engineering jobs in these fields, for admission to graduate programs, and for professional licensure anywhere in the USA and around the world.

Graduates are qualified to work for consultants, federal, state, and local governments. There are professional opportunities as an environmental design engineer, permitting engineer, compliance engineer, environmental specialist, water and waste-water engineer, environmental scientist, and more. The curriculum is tailored to develop professionals who are able to move between the technical and managerial aspects of environmental engineering projects and to serve in key leadership positions within the engineering profession.

Granting of Engineering Standing

The Department Chair for the program for which the applicant is seeking admission with the Dean of the College of Engineering's concurrence, may grant Engineering Standing. Once Engineering Standing is granted it cannot be rescinded.

In order to be granted Engineering Standing an applicant:

- Must complete the appropriate courses for the major as shown below with a cumulative grade point average (GPA) and a GPA in math and science courses of 2.7 or above
- Must file an application for Engineering Standing with the appropriate department
- Must submit a copy of their SPSU transcript either official or unofficial with the application

- May file an application in the semester during which they are completing the requirements for Engineering Standing. In this case, the application will be reviewed after mid-semester grades are reported and the department may allow the student to pre-register for upper division courses pending successful completion of the requirements
- May only apply for Engineering Standing in a program twice.

If a transfer student is admitted to KSU's Southern Polytechnic College of E&ET and has successfully completed the requirements of the Regents Engineering Transfer Program at a USG institution, he or she is automatically granted Engineering Standing.

Any student who has received a Bachelor of Science in Engineering Technology from Southern Polytechnic and seeks a second degree in the College of E & ET is automatically granted Engineering Standing.

The following chart lists the course requirements for students seeking Engineering Standing.

Updated May 9, 2016

Required General Education Courses Specific to the Major

- MATH 1190 - Calculus I
- MATH 2202 - Calculus II
- PHYS 2211 - Principles of Physics I
- PHYS 2211L - Principles of Physics Laboratory I
- BIOL 1107 - Biological Principles I
- BIOL 1107L - Biological Principles I Laboratory

Lower Division Major Requirements (Area F) (18 Credit Hours)

- ENGR 2214 - Engineering Mechanics - Statics
- SURV 2221 - Surveying I
- CHEM 1211 - General Chemistry I
- CHEM 1211L - General Chemistry I Laboratory
- CHEM 1212 -

- POLS 3356 - U.S. Environmental Policy & Politics
- CE 4800 - Senior Project

Upper Division Elective Courses (12 Credit Hours)

Select four courses:

- BIOL 3370 - Ecology
- CHEM 3361 - Modern Organic Chemistry I
- CHEM 4300 - Instrumental Analytical Chemistry
- CE 4353 - Air Pollution Control
- CE 4363 - Environmental Engineering Chemistry

with an expanded job market opportunities while the remaining 25% is directed towards the specifics of each area of engineering.

Upon graduation, students will be able to demonstrate:

- 1.

- CSE 1311 -

Systems Engineering Concentration

- EE 2301 - Circuit Analysis I
 - ENGR 3122 - Engineering Mechanics - Dynamics
or
 - ME 3410 - Thermodynamics
 - ISYE 3100 - Systems Reliability & Maintainability
 - ISYE 3120 - Contemporary Technological Systems: Design, Analysis, & Architecture
 - ISYE 3200 - Human Machine Systems
- Select 12 Credit hours from the list of Technical Electives

Technical Electives

- ISYE 3398 - Internship
 - ISYE 4400 - Directed Study
 - ISYE 4490 - Special Topics
- Any 3xxx or 4xxx level courses in ENGR, CE, EE, ME, MTRE, ISYE, SWE, STAT, MGT, IS or ISA

Program Total (127 Credit Hours)

University-Wide Degree Requirements

See listing of requirements.

Note: Program is exempt from the WELL 1000 course requirement.

Graduation Credit Hour Total (127 Credit Hours)

Industrial Engineering Technology - Quality Principles Certificate

The primary objective of the Certificate in Quality Principles is to provide training and education to members of the Industrial Engineering field in quality system principles, methodology, elements and standards. Students can complete the requirements in 3-4 semesters. These courses may also be applied toward completing a B.S. degree in Industrial Engineering Technology upon acceptance to KSU.

Student outcomes

1. Demonstrate a knowledge of statistics for quality control (IET3339, IET3403)
2. Effectively demonstrate quality concepts and ideas (IET3356)
3. Work successfully in team environments (IET3410)
4. Identify and manage quality projects (IET4135, IET4151)

Requirements

- IET 2227 - Introduction to Statistics
- IET 3339 - Statistical Quality Control
- IET 3356 - Quality Concepts and Systems Design
- IET 3403 - Advanced Statistics with Application
- IET 3410 - Principles of Team Dynamics
- IET 4135 - IET Project Management
- IET 4151 - Operations Management for Engineers

Program Total (21 Credit Hours)

Industrial Engineering Technology - Quality Principles Minor

To be eligible for a Minor in Industrial Engineering Technology (IET) Quality Principles, the student must complete the following courses. This minor is offered by the Department of Systems & Industrial Engineering.

Student outcomes (depending on choices of classes taken)
)

1. To prepare graduates with the fundamentals of quality principles
2. To apply statistics toward quality cases (IET2227)
3. To apply control systems to measure quality (IET3339)
4. To design quality systems with quality concepts learned (IET3356)
5. To understand the application of six sigma principles with lean manufacturing (IET3407)
6. Be capable of managing a quality systems project (IET4135)
7. Be capable of applying operations management & research (IET4151, IET4405)
8. To prepare students with the foundation for lifelong learning

Requirements

- IET 2227 - Introduction to Statistics
 - IET 3339 - Statistical Quality Control
 - IET 3356 - Quality Concepts and Systems Design
 - IET 3407 - Six Sigma and Lean Manufacturing
- Choose one from the following:
- IET 3403 - Advanced Statistics with Application
 - IET 3410 - Principles of Team Dynamics
 - IET 4405 - Operations Research - Concepts, Models and Methods
 - IET 4135 - IET Project Management
 - IET 4151 - Operations Management for Engineers

Program Total (15 Credit Hours)

Notes:

1. Students who successfully complete the Quality Principles Minor will also receive a Six Sigma Green Belt Certification.
2. A minimum GPA of 2.0 in the courses used for the minor is required.

Industrial Engineering Technology B.S.

Who manages the flow of people at theme parks or airports?

Who decides what kind of training employees need before they operate new equipment?

Who produces the layout for the new facility?

Who determines where to add people or machinery for maximum impact?

If you like to be at the center of the action, designing creative solutions that make business and industry work safer, faster, and leaner, making organizations more efficient, productive, and cost-effective then the career for you is Industrial Engineering Technology.

This Bachelor of Science degree offers the graduate a challenging career in business, industry, or government. Graduates deal primarily with the process management of money, materials, and labor in a business and industrial environment.

Career opportunities involve problem solving in the fields of:

- Quality Control
- Production/Materials Management
- Information Systems
- Process Improvement
- Logistics and Supply Chain Management
- Systems Simulation
- Salary and Compensation Plans
- Workplace Design
- Personnel Management
- Occupational Safety, Health and Ethics
- Project Management
- Economic Analysis/Cost Control

The Bachelor of Science in Industrial Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET,

-
2. An ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require the application of principles and appli

Program Total (127 Credit Hours)

University-Wide Degree Requirements

See listing of requirements.

Note: Program is exempt from the WELL 1000 course requirement.

Graduation Credit Hour Total (127 Credit Hours)

Note

1. Physics I and Physics II are preferred Area D Sciences, however, any Lab Sciences from the approved list is permissible.
2. Chemistry I is the preferred Area F Science, however, any Lab Science from the approved list is permissible.

Concentrations

Students who successfully complete the Concentration with a grade of "C" or better in each course will be awarded a Green Belt Certificate.

Required Courses:

- IET 2227 - Introduction to Statistics
- IET 2449 - Logistics and Supply Chain Management
- IET 3320 - Advanced Logistics

- IET 3511 - Sustainability Engineering
or
- IET 3620 - Warehousing Systems

- IET 4405 - Operations Research - Concepts, Models and Methods
- IET 4115 - Human Resources Management for Engineers
- IET 4151 - Operations Management for Engineers

Industrial Engineering Technology Logi.2 () 0.1(n) -0.2 (e)

or



Industrial Engineering Technology Logistics Minor

To be eligible for a Minor in Industrial Engineering Technology (IET) Logistics, the student must have a major (not IET) and complete the following courses. This minor is offered by the Department of Systems & Industrial Engineering.

Student outcomes (depending on choices of classes taken)

- 1.

Student outcomes (depending on choices of classes taken)

1. To prepare graduates with some fundamentals of industrial engineering technology (IET2305)
2. To apply the knowledge of statistics in engineering technology problems (IET2227)

For the most part, those are courses with course numbers 3000's and 4000's. In addition to the stated prerequisites and unless otherwise noted in the catalog, students must apply for and be granted Engineering Standing in order to enroll in any upper division engineering course taught in the College of Engineering. A 2.70 GPA in certain courses identified by the department is required to receive engineering standing. For more information on engineering standing, visit http://engineering.kennesaw.edu/mechanical/engineering_standing.php.

General Education (42 Credit Hours)

See listing of requirements.

Specific General Education Requirements for this Major:

- MATH 1190 - Calculus I
- MATH 2202 - Calculus II
- PHYS 2211 - Principles of Physics I
- PHYS 2211L - Principles of Physics Laboratory I
- PHYS 2212 - Principles of Physics II
- PHYS 2212L - Principles of Physics Laboratory II
- COM 1100 - Human Communication (Recommended)
- STS 1101 - Science, Technology, and Society (Recommended)

Lower Division Major Requirements (Area F) (18 Credit Hours)

- ME 1001 - Introduction to Mechanical Engineering
- ME 1311 - MATLAB for Engineers with Applications
- CHEM 1211 - General Chemistry I
- CHEM 1211L - General Chemistry I Laboratory
- MATH 2332 - Probability and Data Analysis
- EDG 1211 - Engineering Graphics I
- One Credit Hour from Area A
- Two Credit Hours from Area D

Math or Science Elective (3 Credit Hours)

Select one of the following courses:

- CHEM 1212 - General Chemistry II
- BIOL 1107 - Biological Principles I
- BIOL 2221 - Human Anatomy & Physiology I
- MATH 2335 - Numerical Methods for Engineers
- MATH 3260 - Linear Algebra I
- MATH 3261 - Numerical Methods I

Some MATH OR PHYS classes may be approved for math or science electives by the department chair.

- MTRE 3710 - Mechatronics Engineering Fundamentals

- MET 3123 - Dynamics of Machines
- MET 3331 - Tool Design
- MET 3402 - Thermodynamics II
- MET 4112 - Computer Aided Engineering & Analysis

Choose One of the Concentrations Below (12 Credit Hours)

General Concentration

Choose 12 Credit Hours of upper-level electives:

- MET 3XXX
- MET 4XXX
- EDG 3XXX
- EDG 4XXX (Maximum two EDG courses allowed for General Concentration)

Energy-HVAC Concentration

- MET 3402 - Thermodynamics II

- MET 4142 - Mechanical Systems Design
- IET 4135 - IET Project Management
- Plus a 3 Credit Upper Level MET or EDG Elective

Engineering Graphics Design Concentration

- MET 4112 - Computer Aided Engineering & Analysis
Choose three courses from:
- EDG 3112 - Advanced Engineering Graphics
- EDG 4111 - Surface Modeling
- EDG 4224 - Engineering Design Graphics for Custom Manufacturing
- EDG 4222 - CAD Customization and Standards
- MET 3332 - Rapid Design and Manufacture
- Plus a 3 Credit Upper Level MET or EDG Elective

Free Electives (3 Credit Hours)

Any course from the university curriculum.

Program Total (128 Credit Hours)

University-Wide Degree Requirements

See listing of requirements.

Note: Program is exempt from the WELL 1000 course requirement.

Note:

1. The Free Elective may not be MATH 1111.
2. PHYS 1111/PHYS 1111L and PHYS 1112/PHYS 1112L may be substituted for PHYS 2211/PHYS 2211L and PHYS 2212/PHYS 2212L.

Graduation Credit Hour Total (128 Credit Hours)

Mechatronics Engineering B.S.

IEEE/ASME Transactions on Mechatronics was the first refereed journal published in the United States focused on Mechatronics. In the first issue (March 1996), mechatronics was defined as: "The synergistic integration of mechanical engineering with electronics and intelligent computer control in the design and manufacturing of industrial products and processes." Ten specific topics were identified under the general category of mechatronics:

- Modeling and Design
- Motion Control
- System Integration

- Vibration and Noise Control
- Actuators and Sensors
- Micro Devices & Optoelectronic Systems
- Intelligent Control
- Automotive Systems
- Robotics
- Manufacturing

Mechatronic systems can be a complete product or a sub-component of a product. Examples of mechatronic systems include aircraft flight control and navigation systems; automotive electronic fuel injection and anti-lock brake systems; automated manufacturing systems including robots, numerical control machining centers, packaging systems and plastic injection-molding systems; artificial organs; health monitoring and surgical systems; copy machines; and many more. Some common element of all these systems is the integration of analog and digital circuits, microprocessors and computers, mechanical devices, sensors, actuators, and controls.

- EDG 1211 -

Mechatronics Engineering Minor

This program provides an opportunity for students outside the Department of Mechatronics Engineering to learn robotics and mechatronics courses which add value to their education by obtaining skills that are directly and immediately relevant to employers.

Students need to complete at least 15 credit hours in this minor program. In particular, MTRE3710, MTRE4001, MTRE4002, and MTRE4200 are the required courses. Students also need to select one of MTRE4100, MTRE4010 or MTRE2610

Required Courses (12 Credit Hours)

- MTRE 3710 - Mechatronics Engineering Fundamentals
 - MTRE 4001 - Modeling and Feedback Control of Dynamic Systems
 - MTRE 4002 - Feedback Control Laboratory
 - MTRE 4200 - Robotics Analysis and Synthesis
- * EE4201 can be substituted for MTRE4001 & MTRE4002. ME3501 & ME4501 can also be substituted for MTRE4001 & MTRE4002.

Elective Courses (3-4 Credit Hours)

Select one of the following courses:

- MTRE 2610 - Engineering Algorithms and Visualization
- MTRE 4010 - Advanced Controls
- MTRE 4100 - Instruments and Controls

Program Total: (15-16 Credit Hours)

Nuclear Engineering Minor

Requirements

- ENGR 3501 - Fundamentals of Nuclear Engineering
- ENGR 3502 - Radiation Detection and Measurement (3) 0.2 (ucl) -0.2 (ePTm /TT1(s) 0.2 l) .

- REET 4110 - Solar Thermal Systems
- REET 4200 - Wind Power Generation
- REET 4210 - Oceanic and Hydropower Generation
- REET 4500 - Environmental Aspects of Power Generation
- REET 4510 - Sustainable Transportation Systems

Program Total (16-17 Credit Hours)

Supply Chain Logistics, B.A.S.

The Bachelor of Applied Science in Supply Chain Logistics has been specifically designed for students who have completed an Associate of Applied Science or Associate of Applied Technology Degree from a Technical College System of Georgia institution.

The goal of the partnership between KSU and the TCSG schools to provide the opportunity for degreed graduates from the technical schools of Georgia and other accredited Technical Schools across the country to complete a Bachelor's degree in approximately two years as a full time student. Students must graduate from a TCSG school with an AAS or AAT degree. Courses from the degree program will transfer as a block or as individual credit as outlined for each TCSG program.

All required major courses to complete the BAS in Supply Chain Logistics program are offered totally online by KSU faculty. All general education requirements are also offered on-line through the university system called E-core.

The BASSCL program prepares students in the areas of manufacturing, operations, logistics and supply chain through an industry-driven curriculum encompassing manufacturing processes, quality principles, engineering economy, work measurement and facilities layout.

General Education (42 Credit Hours)

See listing of requirements.

Required General Education Courses Specific to the Major

- MATH 1107 - Introduction to Statistics

Lower Division Major Requirements (Area F) (18 Credit Hours)

- Technical Block - Up to 17 Semester Hours
- One credit hour from Area D

Upper Division Major Requirements (60 Credit Hours)

- ACCT 2100 - Introduction to Financial Accounting
- IET 2449 -

Students also study topics from the Civil Engineering Technology program including elementary structures, fluid mechanics, hydrology and the design and construction of highways.

- CET 3120 - Cost Estimating and Scheduling in CET
- CET 3120L - Plan Reading and Take Offs Lab
- CET 3130 - Applied Fluid Mechanics and Hydraulics
- CET 3510 - Traffic Analysis and Road Design
- CET 3510L - Traffic Analysis and Road Design Lab
- CET 4310 - Stormwater Management and Erosion Control
- CET 4310L - Erosion Control Lab
- MGT 3100 - Management and Behavioral Sciences
- MATH 2332 - Probability and Data Analysis

Upper Level Electives (12 Credit Hours)

- SURV 3XXX or 4XXX (4 Credit Hours)
- MATH Elective (must be at a level beyond Calculus II) (4 Credit Hours)

Free Elective (3 Credit Hours)

Any course in the university curriculum.

Program Total (129 Hours)

University-Wide Degree Requirements

See listing of requirements.

University College

Lower Division Major Requirements (Area F): (18 Credit Hours)

- ACCT 2100 - Introduction to Financial Accounting
- CSH 2100

- CSH 4498 - Strategic Management in Hospitality
- CSH 4499 - Quantity Food Management

General Studies Track

A 2.0 AGPA is required for entry into this track.

**Lower Division Major Requirements (Area F) (18 Credit Hours)*

Varies depending on interest areas but must include:

- ICT 2101 - Information and Communications Technology

- COM 2129 - Public Speaking
or
COM 110

Leadership Studies Certificate - Embedded

University College
Department of Leadership and Integrative Studies
(470) 578-6207
<http://uc.kennesaw.edu/lis/index.php>

In today's competitive global society, success depends on working as a productive communicator, team player, and decision maker - all skills of an effective leader. The Certificate in Leadership Studies, through theory and practical experience, is designed to prepare students in any major for the dynamics of leading diverse groups and teams, engaging and empowering others, responding to situational leadership opportunities, and acknowledging the power of trust and ethical leadership practices. Five leadership courses, each with a multidisciplinary focus, offers students the opportunity to develop, strengthen and use their leadership abilities.

Required Courses* (12 Credit Hours)

- LDRS 3000 - Foundations of Leadership
- LDRS 3200 - Leadership in a Global Society
- LDRS 3600 - Ethics in Leadership
- LDRS 3800 - Leading in Groups

And choose one from the following (3 Credit Hours)

- LDRS 3100 - Change and Conflict Leadership
- LDRS 3300 - Leadership and Decision Making
- LDRS 3400 - Service As Leadership
- LDRS 3500 - How Not to Lead
- LDRS 3700 - Women in Leadership
- LDRS 4400 - Directed Study
- LDRS 4490 - Special Topics in Leadership Studies
- Other 3000 or 4000 level LDRS Course

Program Total (15 Credit Hours)

Admission/Placement Requirements:

Following a final transcript verification, students who meet the requirements will receive a certificate from the Department of Leadership and Integrative Studies. An official notice that the student has met the certificate requirements will also appear on the student's KSU academic transcript.

Honors College

Dual Enrollment Honors Program

The Dual Enrollment Honors Program (DEHP) at Kennesaw State University provides an outstanding opportunity for high school juniors and seniors to get a head start on college. DEHP students take college classes in lieu of high school classes. Students earn college and high school credits simultaneously, and may participate in student activities at both KSU and their high schools. Students may take KSU courses in English, mathematics, social sciences, science and foreign languages. DEHP students make the transition to university life in a familiar, supportive environment. They attend DEHP advising sessions to assist in selection of courses, and may select regular or honors classes. DEHP students attend a special summer orientation session and register for classes before most other students. DEHP courses transfer easily to most public colleges and universities and many private college.

For more information about the Dual Enrollment Honors Program's admission criteria, please go to the link labeled "Honors Opportunities and Early Entry" under the KSU Undergraduate

and

class, taking HON 4499 for zero credit hours. A student who does NOT have a required capstone course or senior seminar in his or her major will take HON 4499 for 3 credit hours.

Course Descriptions

Accounting

ACCT 2100 - Introduction to Financial Accounting

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: ENGL 1101 and MATH 1111 or higher; Non-business Majors: ENGL 1101 and MATH 1101 or higher.

An introduction to the language of business. Focuses on financial statements and their use in decision-making. Designed for business and non-business majors.

ACCT 2200 - Introduction to Managerial Accounting

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ACCT 2100

An introduction to how accounting information is used to manage a business. Includes managerial problem-solving techniques and current trends in managerial decision-making.

ACCT 3100 -

ACCT 3300 - Accounting Information Systems

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite:

ACCT 4250 - Advanced Taxation

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite:

better in ACCT 3100 and ACCT 3200, and permission of the Coles College of Business. The study of fundamental concepts and valuation methods used to value a closely held business when there is no established market price. When determining the future benefit stream of a business entity and the associated risk, concepts from finance, economics, accounting and taxation will be incorporated.

ACCT 4800 - Fraud and Forensic Accounting

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and a grade of "C" or better in ACCT 3100; Non-business Majors: A grade of "C" or better in ACCT 3100 and permission of the Coles College of Business

This course will introduce students to a variety of fraud topics, including occupational fraud and fraudulent financial reporting. In addition, the students will explore the foundations of forensic accounting, including fraud examination techniques. The course uses a mix of articles, cases, and classroom discussion.

African and African Diaspora Studies

AADS 1101 - Introduction to African Diaspora Studies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course provides a developmental introduction to the interdisciplinary origins and methods of African and African Diaspora Studies (also known as Black, Africana, African American, and Pan-African Studies). Students compare and contrast historical, cultural, economic, and social phenomena in Africa to African-descended people in the Americas, Europe, Oceania and Asia. Students learn about African and African Diaspora Studies as a field of intellectual inquiry and key contributions of pioneers from a variety of disciplinary backgrounds.

AADS 1102 - Issues in African and African Diaspora Studies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support English and Mathematics courses or concurrent registration, if required.

This course provides an overview of key concepts, problems, themes, strategies, and methods of African Diaspora Studies (also known as Black, Africana, African American, and Pan-African Studies). Students explore recent political, economic, and social problems facing the African Diaspora, especially issues of race, class, gender, religion, and ethnicity. Students learn how Africana Studies alumni have used their expertise in addressing these issues and how the discipline is relevant to their own career path.

AADS 2260 - Research Methodologies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MATH 1107

This course is designed to expose the student to the variety of interdisciplinary research methodologies, both quantitative and qualitative, to prepare them for the methodological approaches appropriate for their chosen concentrations in African and African Diaspora Studies.

AADS 3380 - Study Abroad

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Junior or Senior status and permission of the instructor.

This course fulfills the study abroad requirement of the B.A. in African and African Diaspora Studies. The content of the course varies depending on available course offerings, but focuses on locations in Africa or locations significantly influenced by the African Diaspora.

AADS 3398 - Internship

3-6

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1101

This course focuses on current trends, issues, problems, and strategies in the field of African and African Diaspora Studies (also known as Black, Africana, African American, and Pan-African Studies). Particular attention is paid to how socio-demographic variables, such as race, gender, class, religion, and/or ethnicity impact the issues facing the African Diaspora.

Notes: The course may be repeated with a change of content.

AADS 4040 - Major Issues and Figures

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite:

A study of selected topics of interest to faculty and students relevant to the field of African and African-Diaspora Studies (also known as Black, Africana, African American, and Pan-African Studies).

Notes: The course may be repeated with a change of content.

AADS 4499 - Senior Seminar

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: AADS 2260 plus 21 hours of upper level courses or permission of instructor.

A capstone course in which students connect and integrate learning from AADS and other courses that they have taken in their concentration, explore the deeper issues in the discipline, research and write a senior thesis, and make technology-assisted presentation of their findings to a committee of AADS faculty.

American Studies

AMST 1102 - American Identities

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

This course explores what it means to be "American." Examining "American Identities" from local and global perspectives, and through a variety of disciplinary frameworks, this course focuses on the diverse forms of "American Identity," as well as the social and cultural histories that have shaped these identities. Students examine their own and others' identities. Students gain knowledge and skills related to intercultural relations through various methods that include research, reading, writing, performanc

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

Examines "America" as a cultural signifier that circulates around the world. These representations not only travel to other countries, but also return to us in cultural products from other countries. In addition to cultural theory, we will look at film, television, literature, and music. A primary concern is to interrogate what

place studied and the significance of "place" in culture.

Notes: Course may be repeated for credit provided the content differs entirely from the previous offering.

AMST 3760 - Advanced Studies in American Identities

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

Examines the construction of individual identities and identity groups in American culture. Students survey and critique a range of texts expressing and representing the formation of identity constructions around such categories as race, gender, ethnicity, national origin, class, and sexuality. Students consider the various historical, cultural and social forces that shape (and sometimes resist) diverse views of American identity both within and outside the U.S.

Notes: Course may be repeated with a change in content.

AMST 3770 - American Cultural Productions

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

Examines the production, interpretation, performance, circulation, and contestation of cultural practices and activities that produce ideas and beliefs about "America." The course may focus on a particular cultural product (e.g., the suburbs) or cultural productions related to a particular historical period (e.g., the Great Depression) or to another discrete category (e.g., racial productions).

Notes: Course may be repeated with a change in content.

AMST 3780 - American Cultural Movements

3 Class Hours 0 Laboratory Hours 3

ANTH 3300 - Anthropological Theory

3 Class Hours 0

3 Class Hours 0 Laboratory Hours 3 Credit Hours
Prerequisite: ANTH 1102

ANTH 3335 -

ANTH 3355 - Capitalisms and Cultures in Asia

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ANTH 1102

This course compares and contrasts various forms of capitalisms and cultures in Asia to understand the dynamics of society and political life. This course enables students to develop a global perspective on critical issues that concern policymakers, business-strategists, development-workers, and academics from an anthropological perspective. Students compare and contrast various forms of capitalism in Asia from an anthropological vantage point for understanding dynamics of society and political life in Asia.

ANTH 3360 - Anthropology and Africa

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ANTH 3307

This course introduces students to methods, theories, and topics in African historical and contemporary anthropology. Particular emphasis is placed on how people from the West have encountered and come to understand African peoples and vice versa. This course examines how the colonial encounter helped structure methodological and conceptual formulations in anthropology and subsequent critiques and revisions. It also examines many contemporary African issues through the lens of anthropology.

ANTH 3365 - Afro-Brazilian Culture and Politics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ANTH 1102

This course explores the Afro-Brazilian experience in multi-racial Brazil, where the majority of the population is of African descent. This course focuses on how Afro-Brazilian culture, politics, music, samba, capoeira (martial arts), carnival and religion have impacted and often defined Brazilian society and culture. The course also focuses on Brazilian racial identity, social movements and racism. Brazil is constantly situated within the African Diaspora.

ANTH 3375 - Engaged Archaeology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ANTH 1102

Although archeology is a scholarly subject, it is not divorced from contemporary issues. In this class, students learn the role that archeology plays in various publics and communities. Students identify and engage stakeholders related to an archaeological site and undertake a hands-on project such as developing a heritage management plan or a collaborative excavation plan.

variable 1-12 Credit Hours

Prerequisite: ANTH 3300, ANTH 4450, 90 credit hours completed, and permission of the instructor.

A structured off-campus experience in a supervised setting that is related to the student's major. Practical experience is combined with scholarly research in the topical area of the internship, under the guidance of an interdisciplinary faculty committee. Sites must be selected in advance of the semester of the internship.

Notes: A departmental internship orientation session is scheduled once a semester.

ANTH 3521 - Ethnography of Media: Global Perspectives

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ANTH 1102, or permission of the instructor.

This course examines how media images and usage shape the identities of individuals and groups around the world. Drawing on ethnographic studies done by anthropologists, this course prepares students to see how representations of peoples, places, practices, and events in the media shape our ideas about others and ourselves. Individuals' and groups' relationship with the media is the key element in understanding how people relate to each other within and across cultures and political boundaries.

ANTH 3777 - Global Ethnographies of Labor

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ANTH 1102

This course establishes the centrality of labor in understanding social identities and social change around the world. It emphasizes the cross-cultural meaning of "labor." Through ethnographies, it locates the effects of larger global processes like development, war, tourism, and their changing impact on meaning of labor for people's individual and collective identities.

ANTH 3999 - Anthropology of Gender - 0.2 (tu) 0.2 () 0.2 (a) q 0.20.17TT1 1 Tf () Tj

theoretical, methodological, and ethical concerns within anthropology. It also emphasizes why ethnographic methods are essential for understanding the complex gender relationships in a globalizing world.

ANTH 4100 - Directed Applied Research

1-6 Credit Hours

Prerequisite: Any upper-division anthropology course and approval of the instructor and department chair.

This course offers students an opportunity to investigate anthropologically-oriented concepts and issues by assisting in faculty-led research or scholarship. Course content and instructional methodologies are identified by the faculty's needs and expectations.

ANTH 4400 - Directed Study in Anthropology

1-3 Credit Hours

Prerequisite: Approval of the instructor and department chair.

Covers special topics and seminars external to regular course offerings. May include original research projects and practicum experiences.

ANTH 4405 - Human Variation

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ANTH 3301

This course provides an understanding of the nature and extent of human biological variation, as well as an understanding of how it is studied. The course focuses on two separate yet interconnected topics: the biological variation that exists within our species, *Homo sapiens*; and the concept of race.

ANTH 4420 - Lab in Forensic Anthropology

0 Class Hours 6 Laboratory Hours 3 Credit Hours

Prerequisite: ANTH 1102 or ANTH 3320 and permission of the instructor.

This laboratory class provides an overview to the field of forensic anthro 276.72 c5 -0.2 (d 0 0 50 1 0 Tm /

recover, identify, and evaluate human skeletal remains within a medico-legal context. This generally includes the determination of an unidentified individual's sex, age, ancestry, stature, and in many cases, circumstances surrounding death.

ANTH 4421 - North American Archeology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ANTH 3305

An introduction to archaeological goals, methods, and interpretation of the prehistory of North America.

ANTH 4422 -

fieldwork in the natural environments of Georgia. The intensive field methods and research approaches in this course allow students to learn how to work as part of an anthropological research team as they examine and evaluate global research issues in environmental anthropology at the local and regional level. The course includes topical lectures, field methods, lab analysis, and interactive team projects.

ANTH 4450 - Research Methods in Anthropology

ATT 4444

1 Class Hours 4 Laboratory Hours 3 Credit Hours
Prerequisite: ATT 4670 and ATT 4750

Table, BST; ADO.NET; Language-Integrated Query (LINQ); Modern ORM tool; and ASP.NET Web Services.

ACST 3510 - Computer Architecture and Robotics

2 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: ACST 3150

ACST 3710 - Digital Game Design

2 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: ACST 3150

This course provides an introduction to digital game design, game engines, multi-player games, and the game development process. Students will develop games individually and in groups. Students will make formal presentations, formally evaluate game designs and provide beta-testing feedback, and will incorporate beta-testing feedback into their designs.

ACST 3720 - Process and Systems Modeling

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ACST 3710

This course provides an introduction to modeling of processes and systems using computing technologies and gaming systems. Models of biological, physical, environmental, and economic systems will be examined. Students will build simple and complex models using graphical and intuitive tools, and investigate how game design engines can support models, and how games are simple models.

ACST 4320 - Data Warehousing and Mining

3 Class Hours 2 Laboratory Hours 4 Credit Hours

Prerequisite: ACST 3330

This course covers concepts, techniques, and applications of data warehousing and data mining. Topics discussed in this course include: dimensional modeling, extraction-transformation-loading (ETL), Online Analytical Processing (OLAP), Data Mining Extension to SQL (DMX), Naïve Bayes, Decision Tree, Association Mining, and Clustering.

ACST 4490

discussed in this course include: fundamental concepts in Android programming - activities and intents, designing user interface using views, data persistence, content providers, messaging and networking, location-based services, and developing android services.

ACST 4570 - Cloud Computing

3 Class HoursT

ARCH 1001 - Architecture Studio I

0 Class Hours 12 Laboratory Hours 4 Credit Hours

This course is the first design studio. Through exercises and projects, it introduces a variety of skills and subjects for the beginning student in architecture including but not limited to the following: drawings, model building, verbal communication, design, and building language. This course is part of the Fundamentals of Design Thinking Learning Community.

ARCH 1002 - Architecture Studio II

0 Class Hours 12 Laboratory Hours 4 Credit Hours

Prerequisite: ARCH 1001

This course builds and elaborates upon the skills and subjects introduced in ARCH 1001. It culminates with a capstone design project that summarizes and measures the learning of the first year, and prepares students for the second year.

ARCH 1241 - Design Communication I

This course is a continuation of ARCH 3011 and the integration of technology. Students design a small scale project usually in a dense urban setting. Emphasis is placed on site context and

ARCH 3212 - Architecture Structures III: Steel and Wood

2 Class Hours 3 Laboratory Hours 3 Credit Hours

Prerequisite: ARCH 3211

This course is a continuation of ARCH 3211 with the design of steel structural members,

ARCH 4117 - Thesis Prep

2 Class Hours 0 Laboratory Hours 2 Credit Hours

ANIM 3650 - Digital Animation Production I

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ANIM 3600

ART 3120 - Ceramics I

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 1200 and ART 2150

Basic processes in ceramics, including pinch pot, coil and slab method of building, and an introduction to ceramic decoration with engobes and textures.

ART 3150 - Figure Drawing

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 2150

Intensive study of the human figure; action, structure, volume, design and expressive potentialities from a variety of models, using a variety of media. Some portraiture.

ART 3160 - Painting I

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 1100 and ART 1150

Painting with various media emphasizing organizational structure, technical considerations and abstract relationships.

ART 3260 - Painting II

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 2150 and ART 3160; ART 2990 (may also be taken concurrently).

Painting with acrylics and/or oils emphasizing organizational structure, abstract relationships and technical considerations.

ART 3265 - Aqueous Media

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 2150 and ART 3160

This course introduces painting in a variety of traditional and non-

ART 3300 - Sculpture I

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 1200 and ART 2150

An introduction to selected sculptural processes using a variety of media.

ART 3310 - Sculpture II

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 3300; ART 2990 (may also be taken concurrently).

processing and printing techniques. Students will use black-and-white film and darkroom paper to produce traditional photographic prints. The course teaches a refinement of photographic techniques and visual skills with an emphasis on aesthetics.

ART 3420 - Lighting for Photography and Video

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 3410 and ART 3400

This course teaches students photographic studio and location lighting techniques and introduces the large-format 4x5 camera. Students will apply increasing understanding of darkroom and digital practices to large-format analog and digital printing. Knowledge of contemporary theory and criticism and its application to contemporary photography is incorporated.

ART 3430 - Introduction to Video

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: Acceptance into Art Program, ART 2550 and ART 3410

This course covers selected topics in video art, which include the use of video shooting and editing practices for the advancement of students own personal artwork and style.

ART 3500 - Printmaking I

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 2150

Students learn basic printmaking processes, techniques, and professional craftsmanship.

ART 3510 - Printmaking II

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 3500; ART 2990 (may also be taken concurrently).

Advanced exploration of conventional and experimental printmaking techniques including but not limited to the relief, intaglio and stencil processes.

ART 3520 - Planographic Techniques I

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 3510

This course provides students with the foundations for website design using industry standard web-editing applications. The emphasis will be on student-centered digital portfolio projects of professional quality. The students will learn methods for conceptualizing, designing, producing, and web publishing. Effective visual design, usability, web content organization and the processes of website development will also be covered.

Notes: Admission to the Art Program required.

ART 4023 - Interactive Media Design

2 Class Hours 4 Laboratory Hours 3

ART 4035 - Concept Art

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 3150 and ART 3160 , or instructor approval

This course examines the unique considerations involved in the creation of concept art. Character and environment design will be explored. Traditional and digital mediums will be considered.

ART 4150 - Advanced Study in Drawing

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 3150 and admission to the painting and drawing concentration.

ART 4310 - Advanced Study in Sculpture

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 3310 and admission to the sculpture concentration.

Selected topics in sculpture of an advanced nature, which may include independent student research.

Notes: Repeatable for credit four times.

ART 4360 - Advanced Study in Ceramics

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 3360 and admission to the ceramics concentration.

Selected topics in ceramics of an advanced nature, which may include independent student research.

Notes: Repeatable for credit four times.

ART 4400 - Directed Study in Art

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: Approval of the instructor and department chair.

Selected topics of an advanced nature, which may include original research projects.

Notes: Can be used in upper-level course requirements only twice with no more than 3 hours credit given each time

ART 4410 - Advanced Study in Photography

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 3410 and admission to the photography concentration.

Selected topics in photography of an advanced nature, which may include independent student research.

Notes: Repeatable for credit four times.

ART 4420 - Alternative Photographic Processes

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 3400 and ART 3410

This course covers advanced level course designed around selected topics in traditional and historic photographic techniques.

ART 4430 - Digital Post-Production Processes

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 2550 , ART 3400, ART 3410, and ART 3430

This advanced level course furthers students' understandings and capabilities in post-production workflows, software, techniques, and technical applications with regard to photography and video.

ART 4440 - Large Format Photography

2 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: ART 3400, ART 3410

This course teaches students the fundamentals about photographic techniques in relation to the use of the large format camera types. This class further develops students' understanding of darkroom and digital practices and their application to large format analog and digital printing.

ART 4490 -

studio work, group critiques and tests of knowledge of subject matter. Media used in this class will progress from graphite and chalks to other media as chosen by the student.

ARED 3308 - Special Populations in Art Education

2 Class Hours 3 Laboratory Hours 3 Credit Hours

Prerequisite: ARED 3306 and admission to Teacher Education.

This course focuses on content knowledge and applications for art educators teaching students with exceptionalities. Content includes

ARED 4400 - Directed Study

1-3 Credit Hours

Prerequisite: Approval of the instructor and department chair.

Selected topics of an advanced nature, which may include original research projects. The content of the directed study will be determined jointly by the instructor and the student.

ARED 4410 - Intercultural Curriculum Model

2 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: Admission to Art and Design.

This course is designed to prepare prosTs

ARED 4650 - Yearlong Clinical Experience I

0 Class Hours 24 Laboratory Hours 6 Credit Hours

Prerequisite: Pre-service certificate, admission to Yearlong Experience.

This course is the first semester of an intensive and extensive co-teaching yearlong clinical experience in art education. Under the guidance of a collaborating teacher and university supervisor and working in a diverse environment that includes students with exceptionalities as English learners, candidates practice professional competencies that impact student achievement. This experience includes regularly scheduled professional seminars.

Notes: Proof of liability insurance is required.

ARED 4660 - Yearlong Clinical Experience II

0 Class Hours 24 Laboratory Hours 6 Credit Hours

Prerequisite: GACE eligibility, ARED 4650

This course is the second semester of an intensive and extensive co-teaching yearlong clinical experience in art education. Under the guidance of a collaborating teacher and university supervisor and working in a diverse environment that includes students with exceptionalities and English learners, candidates practice professional competencies that impact student achievement. This experience includes regularly scheduled professional seminars and the completion of content pedagogy assessment.

Notes: Proof of liability insurance is required.

ARH 3000 - Asian Art and Architecture

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their social, political, and intellectual contexts. It also explores issues such as cultural interaction; political art of ancient empires; gender, ethnicity, and identity; the definition of the "Near East"; Biblical archaeology; and heritage management (especially in times of conflict).

ARH 3350 - Greek Art and Architecture

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ARH 2750 and ENGL 1102

This course is a survey of a

within their social, political, and intellectual contexts, and it discusses such issues as the interaction among the visual cultures of Christianity, Judaism, and Islam; the art of the Crusades; the relationship between word and image; pilgrimage and monasticism; urban development; and gender, ethnicity, and social status.

ARH 3500 - Italian Renaissance Art and Architecture

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ARH 2850 and ENGL 1102

A survey of art and architecture in Italy from the early fourteenth century to the mid-sixteenth century. The veneration of classical antiquity and the development of naturalistic representation are examined. Issues of patronage, artists' training, and technology are also addressed.

ARH 3600 - Baroque Art and Architecture

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ARH 2850 and ENGL 1102

A survey of major movements, artists and themes in seventeenth- and eighteenth-century art and architecture in Europe and the Americas.

ARH 3700 - Nineteenth-Century Art and Architecture

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ARH 2850 and ENGL 1102

This course is a survey of major developments and trends in nineteenth-century painting, sculpture, and architecture. It reviews major aesthetic theories and non-western art forms that shaped nineteenth-century art.

ARH 3750 - History of American Art and Architecture

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ARH 2850 and ENGL 1102

This course is a survey of the styles and movements of art and architecture in the United States from colonial times to present.

ARH 4740 - History of Illustration

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102 and ARH 2850

ARH 4870 - History of Photography

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ARH 2850

A selective survey of nineteenth and twentieth century photography, primarily in Europe and America, emphasizing photography's development as an artistic medium. Focus is on major practitioners of the medium, and on photography's relationship to historical events, psychology, sociology and the development of art and architecture.

ARH 4900 - Contemporary Art

3 Class Hours

especially those of Greater China, Japan, Korea and India. The cultural investigation of Asia is infused with the historical, geographical, economical, political, and religious study of this region. This course also explores the identities of people in Asia and Asian Americans.

ASIA 3001 - Understanding Asia

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This is the introductory course to KSU's Asian Studies Program. The course uses an interdisciplinary approach to understand Asia's ever-changing contexts. With emphasis on greater China, India, Japan, Korea, and Southeast Asia, the course provides the foundation for further studies of Asia including an overview of the region, connecting past influences to the present. Students examine the origins and development of Asian civilizations from the aspects of geography, people, society, history, philosophy, religion, politics, economy, literature and arts.

ASIA 3309 - Survey of Chinese Literature and Culture

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

ASIA 3309, cross-listed as FL 3309, is a survey of Chinese literature and culture, examining major works and literary and artistic movements as well as cultural issues. Readings and discussion in English; some readings in the original for Chinese language students.

ASIA 3340 - Contemporary South Asian Literature

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 2110

This course explores South Asian experiences by examining diverse aesthetic and cultural perspectives from 20th and 21st century diasporic South Asian literature. In order to familiarize students with the diverse South Asian population, this course introduces students to a variety of South Asian experiences through literary works from diasporic writers in this demographic. Through critical reading and analysis, reflection, discussion, and research, students discover how similar the South Asian experience is to other familiar communities.

ASIA 3355 - Cultures and Capitalisms in Asia

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ANTH 1102 and ENGL 1102

This course compares and contrasts various forms of capitalisms and cultures in Asia to understand the dynamics of society and political life. This course enables students to develop a global perspective on critical issues that concern policymakers, business-strategists, development-workers, and academics from an anthropological perspective. Students compare and contrast various forms of capitalism in Asia from an anthropological vantage point for understanding dynamics of society and political life in Asia.

ASIA 3670 - Survey of Asian Art

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course is a lecture/discussion course to survey the art of India and Southeast Asia, China, Japan, and Korea from prehistory to the present. Students in this course study the chronological developments of the major styles of painting, sculpture, architecture, and decorative arts from these regions. This course highlights important examples of works of art to discuss the artistic achievements and the aesthetics of these regions, and to explore how cultural, political, religious, and social climates have shaped the visual arts in Asia from the beginnings of its civilization to the 21st century.

ASIA 3760 - Asian American Cultural Identities

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This interdisciplinary course provides students opportunities to examine cultural identity issues of Asian Americans, the fastest growing ethnic minority group in the US. Through a variety of interdisciplinary learning materials and activities, students will gain understanding and appreciation of the complex concept "Asian Americans."

ASIA 3780 -

ASIA 3950 - Technology Strategy in Asia

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This is a case study course that looks at organizational approaches to the integration of technology in multiple cultures. In this course, students will look at the international high-tech mindset, from business, social, financial markets, and personal life.

ASIA 4001 - Teaching English in Asia

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course provides students with knowledge of the socio-cultural issues related to the classroom in Asia. The focus of the course spans both cultural and social issues associated with classroom management in an Asian setting.

ASIA 4400 - Directed Study

Variable 1-3 Credit Hours

Prerequisite: Approval of instructor and department chair prior to registration

Directed Study is a course in which a student works with a supervising faculty member to investigate a selected advanced topic not served by the existing curriculum.

ASIA 4422 - Archaeology of Asia

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ANTH 1102 or ASIA 3001 or permission of the instructor.

This course examines cultural and historical developments in Asia from approximately 10,000 BCE through 1600 CE. Students learn about the rise of complex societies, cities, and states; early economies; empires; and the role of archaeology in modern Asia. Along the way, students engage in major debates that have arisen from competing interpretations of the archaeological record.

ASIA 4457 - South Asian Politics: A Comparative Perspective

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ASIA 3001

This course is an overview of the main issues that overlay politics in Sri Lanka, Bangladesh, India, and Pakistan. It covers the common historical background and the development of political institutions across the region. The course highlights the main cleavages along which politics are organized and related political, social, and economic outcomes, including the political party system, economic development, social movements, and ethnic conflict.

ASIA 4490 -

planetarium simulation software to explore the concepts and methods of observational astronomy.

ASTR 3320 - Astronomy and Cosmology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in any core lab science sequence.

An introduction to stellar Astronomy and Cosmology. Topics include stellar structure and evolution, end states of stars such as white dwarfs and black holes, active galaxies and quasars, the large-scale structure of the universe, and theories for the origin and evolution of the Universe. This course will emphasize physical principles and conceptual understanding.

ASTR 3321 - Solar System Astronomy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in any core lab science sequence.

An introduction to Solar System Astronomy. Topics include planetary motion and its role in the scientific revolution, theories for the origin of the solar system, the history and evolution of the Earth, comparative planetology and the origin of life. This course will emphasize physical principles and conceptual understanding.

Biology

BIOL 1107 - Biological Principles I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Concurrent:

CHEM 1211 and CHEM 1211L.

The course is an introduction to cell and molecular biology as well as molecular and population genetics. Students who successfully complete the class should be able to describe the

0 Class Hours 3 Laboratory Hours 1 Credit Hours

Concurrent:

BIOL 1107

This lab complements BIOL 1107. Students will learn how to use scientific equipment to explore the cell and molecular biology in plant and animals as well as the biochemistry of life. Students will learn about experimental design and how to generate and interpret scientific data.

BIOL 1108 - Biological Principles II

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in (BIOL 1107 and BIOL 1107L) and (CHEM 1211 and CHEM 1211L)

This is the second course in a two-semester sequence covering the fundamental principles of biology. Students will explore the evolution and diversity of life in this course. Students will have additional focus on organismal anatomy and physiology as well as learning basic principles of ecology.

Notes: For science majors.

BIOL 1108L - Biological Principles II Laboratory

0 Class Hours 3 Laboratory Hours 1 Credit Hours

Concurrent:

BIOL 1108

This lab corresponds with the organismal biology topics covered in BIOL 1108 lecture. Students will examine phylogenetics, organismal diversity, ecological principles, and physiology through a combination of lab observations and hypothesis-testing experiments. Students are also expected to perform a fetal pig dissection in order to explore vertebrate anatomy. Application of the methods of experimental design, data analysis, and data presentation will be a major component of this course.

BIOL 2221 - Human Anatomy & Physiology I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: (CHEM 1151 and CHEM 1151L) or (CHEM 1211 and CHEM 1211L)

The course begins with cellular chemistry and function, tissues, and continues through the nervous, skeletal and muscular systems. Homeostasis and structural and functional relationships will be emphasized. Primarily recommended for students interested in nursing, physical therapy,

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 2221 and BIOL 2221L

This course will explore basic principles and techniques of microbiology. Students will learn about the various morphologies and metabolic processes within microbes and their relationships to humans.

Notes: Primarily for nursing majors; cannot be used for credit toward a degree in Biology.

BIOL 2261L - Fundamental Microbiology Laboratory

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 2221 and BIOL 2221L Concurrent: BIOL 2261

This course teaches the basic principles and techniques of microbiology emphasizing fundamental isolation, identification, and culture techniques.

Notes: Primarily for nursing majors. Cannot be used for credit toward a degree in Biology.

BIOL 3110L - Directed Methods

1-3

3 Class Hours 0 Laboratory Hours 3 Credit Hours
Prerequisite:

BIOL 3315K - Vertebrate Zoology

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in (BIOL 1107 and BIOL 1107L) and (BIOL 1108 and BIOL 1108L)

Students will use phylogenetic methods to explain evolutionary origins, ecological relationships, and life history traits of vertebrate organisms. In laboratories, students will identify North American vertebrates and analyze the relationship between morphology and taxonomy.

BIOL 3317 - Pathophysiology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: (BIOL 2222 and BIOL 2222L) or BIOL 4431

Examines the biological basis of common, clinical disease states. Pathophysiology is treated as a disruption of normal homeostatic mechanisms that progresses beyond the normal compensatory capabilities of the human body.

BIOL 3320K - Plant Morphology

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in (BIOL 1107 and BIOL 1107L) and (BIOL 1108 and BIOL 1108L)

In this course students will explore the evolutionary trends and relationships of the phyla of non-vascular and vascular plants, as well as a number of groups of algae. Students will examine vegetative and reproductive morphology across varied life cycles and through paleobotany. Laboratory work is closely tied to lecture material and includes examination of microscope slides as well as dissections and observations of morphological features of specimens. Students will make drawings of many of their specimens. A trip to the Atlanta Botanical Gardens is required.

BIOL

Genetic counseling procedures, prenatal options and the ethical dilemmas generated as a result of these options will also be discussed.

BIOL 3330K - Biology of the Algae

3 Class Hours 3 Laboratory Hours 4 Credit Hours

This course is a study of prokaryotes, unicellular eukaryotes and viruses. Students will learn about the nature of microorganisms and the techniques used to study microbes. Students will explore the morphology, metabolism, growth, and genetics of various microbes.

BIOL 3340L - Microbiology Laboratory

0 Class Hours 3 Laboratory Hours 1 Credit Hours

Prerequisite: A grade of 'C' or better in (BIOL 1107 and BIOL 1107L) and (BIOL 1108 and BIOL 1108L) Concurrent:

BIOL 3340

This course emphasizes basic microbiology methods. Students will learn to culture, identify and quantify microorganisms. Students will also explore applications of microbiology, including food and environmental microbiology

BIOL 3341K -

BIOL 3371K - Freshwater Ecology

2 Class Hours 4 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in (BIOL 1107 and BIOL 1107L) and (BIOL 1108 and BIOL 1108L)

Students will develop a comprehensive and integrated understanding of physical, chemical, and biological processes occurring in lakes, streams, and wetlands. Particular emphasis will be placed on the ecology of aquatic organisms and the structure and function of freshwater communities and ecosystems that they inhabit. Laboratory exercises will use the scientific method to investigate and contrast basic ecological processes operating in various systems.

BIOL 3372K - Aquatic Biodiversity

2 Class Hours 4 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 3370 and BIOL 3370L or permission of the instructor

This course is an introduction to the major plant and animal taxa found in aquatic ecosystems. Students will develop field and laboratory identification and collection skills while examining major ecological and biogeographical factors influencing distribution and abundance of aquatic organisms. Notes: A series of three weekend field trips are required.

BIOL 3373K - Methods in Aquatic Ecology

2 Class Hours 4 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in (BIOL 1108 and BIOL 1108L) and STAT 3125

This course provides students experience in design and execution of studies in aquatic ecology. Students will gain experience with field and lab techniques to conduct aquatic research in various aquatic assessments and wetlands delineation. Students will learn techniques for sampling fish, aquatic invertebrates and aquatic plants as well as techniques in aquatic toxicology. Field experiences are an integral part of the course.

BIOL 3375K - Behavioral Biology

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in (BIOL 1107 and BIOL 1107L) and (BIOL 1108 and

BIOL 1108L) or comparable research methods course

Students will explore the major concepts in behavioral biology. Students will relate neurophysiology to ethology and ecology, and will include a look at the behavior of social organisms. In the laboratory, students will use a quantitative approach to test hypotheses while observing the behavior of animals.

BIOL 3380 - Evolutionary Biology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 3300

Students will study the fundamental questions of evolutionary biology, and focus on how processes such as natural selection, mutation, and drift form the genetic basis of evolutionary change. Students will investigate the role that adaptation, speciation, and genome evolution have played in the diversification of Life on Earth over time. Students will explore the application of evolutionary principles, such as phylogenetic inference, to human health, disease, and conservation efforts.

BIOL 3396 - Cooperative Study

Variable 1-3 Credit Hours

Prerequisite: Approval of Program Coordinator and Coordinator of Cooperative Education/ Internships (Career Services).

A supervised work experience program for a minimum of two academic semesters at a previously approved site in business, industry or government or a pri1 Tf [(C) -0.2 (T) (s) 0.2 (,) -0.2 () 0

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 3300 and (CHEM 3361 and CHEM 3361L)

This course examines the discovery and development of new pharmaceuticals and biologics. Students will learn the process of drug discovery and the role of the FDA and regulations in that process. Students will evaluate how drug entities are characterized through non-clinical testing and clinical trials.

BIOL 3410 - Cell Biology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in (BIOL 1108 and BIOL 1108L) and (BIOL 3300 and BIOL 3300L)

Modern cell biology is a unifying subject that describes the structure and function of cells in genetic, biochemical, biophysical, developmental and pathophysiological contexts. Students will learn a contemporary view of cell structure and function, including the relationship between membranes, organelles, transporters, and signaling components during the life of a cell, with an emphasis on eukaryotic systems.

BIOL 3650 - Marine Biology

3 Class Hours 0 Laboratory Hours

to improve or enhance ongoing efforts or introduce new ones.

Notes: This course is cross-listed with ENVS 3720.

BIOL 4000 -

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 1108 and BIOL 1108L

This course examines the biology of parasites of major medical/veterinary importance. Students will learn how parasites are transmitted to their host(s) and the pathologies that are generated from host-parasite interactions. Students will also examine the epidemiology of parasitic infection, as well as the methods for suppressing parasites in host populations.

BIOL 4200 - Industrial Microbiology

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 3340.

This course is a detailed survey of advanced microbiological methods used in industry. Students will learn to identify bacterial and fungal microbes found in biosafety and environmental monitoring. In laboratory, students will learn to validate appropriate methods and prepare sterile media for culturing aerobic and anaerobic microbes. Students will also use quantitative methods to produce fermentation in batch and continuous cultures.

BIOL 4242K - Ecological Genetics

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 3300 and BIOL 3300L

and study anatomical adaptations among these representative models to recognize the relationships between form and function.

BIOL 4390K - Developmental Biology

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in (BIOL 3300 and BIOL 3300L) and BIOL 3410

to registration

This course is a supervised, credit-earning research-based experience of one academic semester with an approved business firm, private agency or government agency. The experience is academic in nature and students will learn to collect and/or manipulate scientific data to produce an academic presentation. The preparation of a research proposal prior to the experience is required.

BIOL 4411K - Stem Cell Technology

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 3300 and BIOL 3300L

Stem cells offer great promise for modern medicine. This course gives students hands-on experience in handling, differentiating, analyzing and purifying stem cells in culture. Students will

3 Class Hours 3 Laboratory Hours 4 Credit Hours
Prerequisite:

3340

This course will explore current concepts of the immune system. Emphasis will be placed on the induction of the immune response, on the mechanism(s) of those responses, and on the mechanism(s) by which the immune system protects against disease. The development and the role of each of the components involved in the immune response as well as immunological applications will be discussed.

BIOL 4470 - Methods in Forensic DNA Analysis

1 Class Hours 6 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 3300 and BIOL 3300L

This laboratory-intensive course will introduce students to the techniques currently used in Forensic DNA profiling by crime labs across the country. In laboratory activities students will extract and purify DNA and utilize PCR-based profiling methods. Students will also learn to interpret data and generate reports. Discussions will include the historical development of DNA profiling, and the development of new profiling methods. Legal issues associated with quality control, frequency estimates, chain of custody, and admissibility will also be explored by students in the class.

BIOL 4475 - Virology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 3300; Recommended-BIOL 3340

This course will explore current concepts associated with the field of virology. The structure and genetic composition of viruses as well as strategies for replication and expression of viral genetic material will be explored. Mechanisms of viral pathogenesis will be presented. In addition, current methods for viral diagnostics, prevention of viral infection and treatment of infected individuals will be presented within the context of viruses of historical significance as well as newly emergent viruses of current medical concern. Novel infectious agents such as satellites, viroids and prions will also be discussed.

BIOL 4480 - Food Microbiology

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: BIOL 3340

This course covers various aspects of food microbiology. Students will learn the source of microbial contamination during food production, processing and storage and the factors influencing microbial growth in foods. Students will explore the role of microorganisms in food spoilage, illnesses, fermentation, and preservation. In the laboratory, students will learn the

methods used to isolate, enumerate, identify, or control microorganisms in food. The laboratory is an integral part of the course, allowing students to apply microbiological concepts in laboratory exercises.

BIOL 4486 - Bioethics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 3300, plus a minimum of 9 additional hours of 3000-4000 level Biology or Biochemistry or consent of instructor.

This course will enable the student to think more critically about some of the difficult moral problems which arise in the practice of science and from our contemporary understanding of living systems and biotechnology. Readings and discussion will focus on issues of personal decision making and public policy regarding both biomedical and environmental issues.

BIOL 4490 - Special Topics in Biology

1-4 Credit Hours

Prerequisite: Varies as to topic.

Selected special or current topics of interest to faculty and students.

Notes: See semester schedule.

BIOL 4500K - Bioinformatics I

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "B" or better in BIOL 3300; a grade of "C" or better in MATH 1190; or permission of the instructor. Concurrent:

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 4500K

This course emphasizes the principles of laboratory generation, bioinformatics and other computational analysis, and practical application of results from real-world data drawn from genomics-level research projects at KSU and elsewhere. Students will perform genome-wide association studies, assemble transcriptomes, quantitate and visualize differential expression, and analyze cellular interaction networks. Students will use data that spans and integrates many levels of biological organization, multiple 'kingdoms,' and diverse applications (e.g., human health, agriculture, industrial microbial processing).

BIOL 4550 - Cancer Biology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 3410

This course will cover the underlying biochemical, molecular and cellular events involved in carcinogenesis, tumor growth, and metastasis. This will include signaling pathways, proteins and regulatory networks involved in cell growth, cell death and tissue organization. Students will

BIOL 4630 - Advanced Topics in Cell & Molecular Biology

1-4 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 3410

This course covers advanced topics in cell or molecular biology that may fit the needs and interests of highly select students. Student may learn such topics as advanced microbial genetics, or the biology of cancer.

Notes: Can be taken only once for credit toward degree.

BIOL 4635 - Advanced Topics in Microbiology

1-3 Class Hours 0-3 Laboratory Hours 1-4 Credit Hours

Prerequisite: BIOL 3340

This course covers advanced topics in microbiology that may fit the needs and interests of highly select students. Student may learn topics like microbial ecology, mycology, or even protozoology.

BIOL 4800K - Diagnostic Microbiology

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in BIOL 3340 and BIOL 3301K or permission of the instructor.

Students will learn the design and application of advanced microscopy, antibiotic sensitivity testing, antibody-based assays and nucleic acid techniques for the detection and identification of infectious agents.

Biology Education

BED 4422 - Project-based Instruction

2 Class Hours 3 Laboratory Hours 3 Credit Hours

Prerequisite: SCED 2421, Preservice Certification and Admission to Year-long Clinical Experience Corequisite: INED 3305 and INED 4435

Teacher candidates will develop pedagogical content knowledge through the design and implementation of inquiry and project-based biology lessons appropriate to secondary learners. Candidates will use available student data and research-based literature and theory to help guide their lesson planning. Candidates will critically reflect upon their teaching practice, using videos, journals and discussions. This course includes a 45-hour high school teaching experience.

BED 4423 - Pedagogical Content Knowledge for Biology

2 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: BED 4422 Corequisite: BED 4660

diverse environment that includes students with exceptionalities and English learners,

credit hours and permission of the Coles College of Business.

This course explores the cultural challenges of doing business in another country. It will focus on how to communicate, manage and lead individuals, conduct operations, and market products in countries with different languages, characteristics, customs, values and attitudes. Because this course is offered as a part of an education abroad program, special emphasis will also be placed on the culture of the designated country(ies).

BUSA 4150 - Driving My Success

0 Class Hours 0 Laboratory

BLAW 3400 - Negotiation

3 Class Hours 0 Laboratory Hours

BLAW 4960 -

Second laboratory course in general chemistry. Designed to continue the application of cognitive skills utilizing chemical knowledge in the laboratory including qualitative analysis techniques.

CHEM 2050 - Introduction to Directed Research

0 Class Hours 3-

CHEM 3010 - Medicinal Chemistry

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in CHEM 3501 or CHEM 3500

This course covers fundamentals of pharmacology such as drug discovery/development and

CHEM 3120 - Descriptive Inorganic Chemistry

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in CHEM 3050 Corequisite: CHEM 3105L

General aspects of inorganic chemistry including bond theory, periodicity, acid-base chemistry, energetics, reaction mechanisms, model systems, kinetics, redox chemistry, and descriptive chemistry of the elements with primary focus of taking students from the introductory principles of chemistry to a broader and deeper level of understanding of the chemistry across the periodic table.

CHEM 3200 - Culture and Chemistry

2 Class Hours 3 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in CHEM 3361

This global learning course will expose students to the predominant chemistry conducted in the host country at the university level, as well as in industry. The culture, history, and lifestyle of

CHEM 3362 - Modern Organic Chemistry II

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: C or better grade in CHEM 3361

This course is the second of a two-semester sequence in modern organic chemistry. The course includes a study of structure, properties, synthesis, and reactions of basic organic compounds using modern structural and mechanical theories.

CHEM 3362L - Modern Organic Chemistry Lab II

0 Class Hours 3 Laboratory Hours 1 Credit Hours

Prerequisite: C or better grade in CHEM 3361L Concurrent:
CHEM 3362

Laboratory experiments designed to introduce the students to modern experimental methods used in organic chemistry synthesis, characterization of compounds, and multi step synthesis of useful target-compounds from readily available starting material.

CHEM 3396 - Cooperative Study

1-3 Credit Hours

Prerequisite: Approval of coordinator of cooperative education/internship.

A supervised, credit-earning work experience of one academic semester with a previously approved business firm, private agency or government agency.

Notes: Credit is allowed only in elective areas.

CHEM 3398 - Internship

Variable 1-12 Credit Hours

Prerequisite: Approval of internship coordinator and chair.

A supervised, credit-earning work experience of one academic semester with a previously

An introduction to the methods of effective chemistry teaching in both the classroom and laboratory settings. Current chemical education research literature on topics such as theories of teaching, active learning strategies, misconceptions, multiculturalism, laboratory design, demonstrations, and assessment will be introduced and discussed. Class meetings will include hands-on activities where demonstrations and laboratory investigations are designed, enacted, and assessed as well as discussions about research-based best practices in the presentation of chemistry concepts to diverse student populations. Time will also be devoted to ensuring that essential chemistry content such as electro chemistry, thermodynamics, kinetics, and bonding are thoroughly understood so that they can be communicated effectively in the classroom.

CHEM 3450 -

semester biochemistry course with laboratory. This laboratory is not intended for biochemistry majors.

CHEM 3501 - Biochemistry I: Structure and Function of Biological Macromolecules

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: C or better grade in CHEM 2800 and CHEM 3362 Concurrent:
CHEM 3501L

Chemistry and biochemistry of macromolecules: proteins, carbohydrates, lipids, and nucleic acids. Introduction to enzymes.

CHEM 3501L - Biochemistry I Laboratory

0 Class Hours 3 Laboratory Hours 1 Credit Hours

Prerequisite: C or better grade in CHEM 2800L and (CHEM 3362 and CHEM 3362L)
Concurrent:

CHEM 3501

Introduction to biochemistry laboratory techniques including centrifugation, chromatography,

CHEM 3601 - Physical Chemistry I: Atomic and Molecular Structure and

CHEM 3700 - Environmental Chemistry

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in CHEM 3361

This course will cover the environmental chemistry involving the transport, distribution,

CHEM 3800L - Forensic Analytical Chemistry Lab

0 Class Hours 3 Laboratory Hours 1 Credit Hours

Prerequisite: CHEM 2800L and CHEM 3362L Concurrent:
CHEM 3800.

Students will use modern chemical instrumentation to analyze simulated crime scene samples. Activities related to drug identification, arson debris analysis, and trace chemical analysis will be performed. Laboratory experiments will be designed to introduce students to the types of samples and analytical methodology encountered in a working crime lab.

CHEM 4000 - Service Learning in Chemistry

1-3 Credit Hours

Prerequisite: 60 hours and permission of the instructor and department chair/program director.

A community activity which links learning to life by connecting meaningful community service activities with academic learning, personal growth, and civic responsibility. Activity will be designed with the instructor and approved by the chair/program director.

CHEM 4100 - Directed Applied Research

project. Students will learn how to search the scientific literature, and will write a journal style report summarizing their research project.

CHEM 4300 - Instrumental Analytical Chemistry

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in CHEM 2800 and a grade of "C" or better in CHEM 3050 or CHEM 3601

Introduction to chemometrics. Theoretical principles and uses of modern instrumental methods covering: spectroscopy, electroanalysis, and chromatographic separations.

CHEM 4300L - Instrumental Analytical Chemistry Laboratory

0 Class Hours 4 Laboratory Hours 1 Credit Hours

Prerequisite: CHEM 2800L Concurrent:

CHEM 4300

Laboratory experiments include: calibration techniques for analyzing single-component and multicomponent systems, application of spectroscopy (UV-VIS, AAS), electroanalysis (different forms of voltammetry), chromatographic separations (LC, GC) in quantitative and qualitative analysis.

CHEM 4310 - Advanced Topics in Analytical Chemistry

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in CHEM 3601 or CHEM 3050

This course will discuss the advanced theories and methods in analytical chemistry emphasizing newer analytical methods in practice in modern laboratories.

CHEM 4310L - Advanced Analytical Chemistry Lab

0 Class Hours 3 Laboratory Hours 1 Credit Hours

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CHEM 4500K - Methods in Nucleic Acid and Protein Biochemistry

2 Class Hours 3 Laboratory Hours 3 Credit Hours

Prerequisite: "C" or better in CHEM 3501 and CHEM 3501L, and BIOL 3300 and BIOL 3300L

This course covers the chemical aspects of biochemical techniques routinely performed in the

CHED 4416 - Teaching Chemistry (6-12)

6 Class Hours 0 Laboratory Hours 6 Credit Hours

Prerequisite: EDUC 2130, 20 credit hours of upper-division major requirements completed, admission to Teacher Education, and permission of the program coordinator.

CHED 4660

Teacher candidates will develop pedagogical content knowledge through the design and

Notes: Not open to native speakers of Chinese.

CHNS 1002 - Introduction to Chinese Language and Culture II

CHNS 3200 -

which they expand their vocabulary and learn new grammar. Students also learn more about cultural issues within the Chinese context and develop their competence in critical analysis from a global perspective. Readings are in Chinese and discussions are in Chinese and English.

CHNS 3390 - Upper-division Study Abroad in Chinese

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Junior or Senior status and permission of the department chair.

This course fulfills the study abroad elective for the minor in Chinese Studies. The content of the course may vary depending on available course offerings in the foreign institution. The chair of the Department of Foreign Languages must preapprove the use of this course as partial fulfillment of the requirements for the minor in Chinese Studies and/or for the degree in Modern Language & Culture.

CHNS 3398 - Internship

1-6 Credit Hours

Prerequisite: CHNS 3302 or permission of the instructor.

This course is a supervised, credit

such as film, media, plastic arts, music and literature. Readings are in Chinese and discussions are in Chinese and English.

CHNS 4404 - Commercial Chinese

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CHNS 2202 or permission of instructor

This course is an in-depth study of business practices and the language of business that focuses on verbal and written communication as well as economic, social and political factors that are important to conducting business in the Chinese-speaking world. Readings and discussions are in Chinese and English.

CHNS 4434 -

ACI design procedures for reinforced concrete beams, columns, footings, slabs and other members, Introductory to masonry design.

CE 3398 - Internship in Civil Engineering

0 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Dept Chair approval

This course allows students to enhance their classroom knowledge through practical application of theories to real-world issues in a real-world work environment. Students explore specific interests within their academic discipline and refine their post-graduation goals.

CE 3501 - Materials for Civil & Construction Engineering

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGR 3131, ENGR 3132 and Engineering Standing

A study of different materials used for light and heavy construction projects, such as aggregates, woods, metals, concretes, masonry, and bituminous materials. An overview of materials science will be introduced, as well.

CE 3502 - Materials for Civil & Construction Engineering Lab

0 Class Hours 3 Laboratory Hours 1 Credit Hours

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Design (LRFD) methods; mechanical properties of structural steel; design of tension members, compression members, beams and beam-columns; typical shear and moment connections, welded and bolted; and steel joist design.

CE 4105 - Foundation Design

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CE 3701, CE 3708

CE 4179 -

and bacteriological parameters of water, wastewater, and soil. Laboratory methods and interpretation of results with regard to environmental engineering applications such as design and operation of wastewater treatment processes, soil and sediment remediation, and environmental health are also explored.

CE 4373 - Environmental Engineering Microbiology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CE 3702

This course is intended to provide fundamental knowledge about microorganisms in the natural and engineered environment and their role in the cycling of elements, both natural and anthropogenically introduced into the environment. The course focuses on understanding their role in the biodegradation of contaminant chemicals and the application of processes that take advantage of the microbiological biodegradation processes.

CE 4490 - Special Topics in CE/CnE

1-9 Credit Hours

Prerequisite: Junior standing, Engineering Standing and consent of the Department Chair.

Special topics offered by the program on a demand basis.

CE 4703 - Engineering Hydrology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGR 3343 and Engineering Standing

The course presents the hydrological processes and their relationship to the design of structures for control and management of water resources, rainfall-runoff relationships, and probability and frequency analysis as they relate to surface and groundwater hydrology.

CE 4704 - Engineering Hydraulic Analysis and Design

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGR 3343 and Engineering Standing

The course applies principals of fluid mechanics to the design and analysis of hydraulic systems. The course emphasizes open channel flow and addresses topics of interest to the Civil Engineer. Topics include hydraulic grade line calculations, pump design, culvert analysis and design, based flood elevation studies using HEC-RAS, non-uniform flow, gutters and inlets, water distribution, open channel design.

CE 4705 - Advanced Soil Mechanics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CE 3701 and Engineering Standing

The course is offered as a technical elective to junior and senior undergraduate students and represents a transition between the introductory and fundamental nature of the material covered in ENGR 3131 and applied soil materials. The course will cover modified Mohr-Coulomb diagrams, triaxial extension and triaxial compression tests, and drained and undrained failure at principle stress.

CE 4706 - Pavement Engineering

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CE 3201 and Engineering Standing

A study of the methods used to determine t

CE 4709 - Advanced Structural Analysis

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CE 3201 and Engineering Standing

The course offers computer oriented methods for solving determinate and indeterminate structures including matrix analysis of two-and three-dimensional trusses, continuous beams, and frames. The class emphasizes on the displacement method and stiffness matrix

CET 2200 - Introduction to Structures

4 Class Hours 0 Laboratory Hours 4 Credit Hours

Prerequisite:

CET 3120L - Plan Reading and Take Offs Lab

0 Class Hours 3

An in-depth study of techniques used in structural design. Determination of structural loads and the analysis and design of structural steel elements used in buildings and related structures. Current design procedures for steel joists, beams, girders, columns, base plates, and connections are applied. American Institute of Steel Construction Steel Design Manual and the Steel Joist Institute's joist manual specifications are used.

CET 3230 - Concrete Infrastructure Design

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CET 3110, CET 3110L and CET 3210

ACI design procedures for reinforced concrete beams, T-beams, columns, slabs, and other components. Includes also design of square footings, box culverts, and analysis of beams subject to torsion.

CET 3310 - Water Treatment and Distribution

2 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: CHEM 1211, CHEM 1211L, and CET 3130, CET 3130L Corequisite: 3310L

Application of chemistry concepts on water quality and treatment processes. This course also includes the performance of mass balance calculations and study of reactor configurations in the design and operation of water treatment systems; and the design approach for water distribution systems and their basic components.

CET 3310L - Water Treatment and Distribution Lab

0 Class Hours 3 Laboratory Hours 1 Credit Hours

Corequisite: CET 3310

This course covers the most common lab testing physicochemical techniques used in water characterization and assessment of drinking water quality.

CET 3320 - Wastewater Collection and Treatment

2 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: (CET 3310, CET 3310L or concurrent enrollment), CET 2110 Corequisite: CET 3220L

Application of hydraulics in the design of wastewater collection systems and ancillary structures. This course also includes hydraulic analysis of equalization tanks, the study of metabolic

CET 3430L - Site Exploration and Field Testing Lab

0 Class Hours 3 Laboratory Hours 1 Credit Hours

Prerequisite: CET 3410L

Students will study site exploration procedures and will utilize destructive and non-destructive field testing methods to determine physical and mechanical properties of soils.

CET 3510 - Traffic Analysis and Road Design

2 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: SURV 2221, CET 2110

education. Under the guidance of the professor, students will form design teams, choose a proposed or ongoing project in the metropolitan area of Atlanta and conduct design or redesign. Working as independent teams with guidance from the lead professor the projects will be completed and the results presented for review to a panel of faculty and students. Each phase of design will include appropriate engineering documentation. All final designs will include engineering drawings and a construction cost estimate.

processing, transferring, transporting and disposal. Consideration of legislation, regulation and

CET 4418 - Engineering Geology

2 Class Hours 3 Laboratory Hours 3 Credit Hours

Prerequisite: CET 3301, CET 3302

Introductory geology, including rock types, geneses, formations, strength, permeability, and weathering. Inves

CSCH 4020 - Critical Thinking and Decision Making

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Admission to Coles College of Business, admission to the Coles College Scholars program, and CSCH 4010; Non-business Majors: Not available to non-business majors.

In this course, students are exposed to critical thinking and decision-making theory, methodology and tools. In addition to the theory of knowledge and the "ways of knowing," students will learn to identify key assumptions, evaluate, and develop and test appropriate hypotheses within the context of large and small problem-solving situations. There is an emphasis on a variety of problems, including those that deal with uncertainty, equivocality, and factors that are measurable and hard to quantify.

CSCH 4030 - International Immersion

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Admission to Coles College of Business, admission to the Coles College Scholars program, and CSCH 4020; Non-business Majors: Not available to non-business majors.

In this course, students will participate in a multi-week international experience designed to immerse students in an international business environment focused on student learning. Students will utilize leadership and teaming skills learned in CSCH 4010 and problem-solving and decision-making techniques practiced in CSCH 4020 to work together as a team to solve community problems in another country. Through this active participation in the international experience, scholars will gain an understanding of the cultural challenges and opportunities faced by organizations working in a global environment.

CSCH 4040 - Consulting & Change Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Admission to Coles College of Business, admission to the Coles College Scholars program, and CSCH 4020; Non-business Majors: Not available to non-business majors.

This course focuses on the processes and actions used by experts to help others improve their business practices. This course will introduce students to both the processes, such as contracting, data gathering, and delivery, as well as the human interactions that underlie effective consulting engagements. The course will draw on a variety of resources and guest speakers in the classroom, as well as applied experiences at local firms where teams of students will engage and work with "clients" on current challenges faced by the firm.

CSCH 4050 - Business Intelligence

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Bu

COM 2033 - Visual Communication

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1101 and ENGL 1102

COM 2033 is an introduction to visual communication using perceptual, physiological,

COM 2290 - Special Topics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful completion of all English Learning Support courses, if required.

Students will explore selected special topics relevant to the mission of the Department of Communication.

COM 3315 - Interviewing

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite:

This course explores mass media and culture from a global perspective. Students analyze international communication theories, global communication infrastructure, the global media marketplace, and international communication and the internet. Students also examine specific communication systems, both democratic and authoritarian, and disseminated in a global context. International media products such as film, music, radio, and TV programming, online content, and advertisements are also covered.

COM 3345 - Group Communication

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: COM 2205 and 60+ credit hours; must be a declared Communication or Public Relations major; Non-majors: permission of the instructor.

This course is a study of input, process and output variables in small group discussion. The emphasis is on participation, observation and evaluation of various discussion methods.

COM 3350 - Editing for Today's Media

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: COM 2135 and Declared Communications, Journalism or Public Relations Major

This course explores the role of the copy editor in print, broadcast, and online media, with a focus on developing the skills required to be an effective editor in the age of convergence.

Through lecture, guest speakers, and in-class and out-of-

Theory and application of communication concepts involving interpersonal relationships and contexts.

COM 4100 - Directed Applied Research

1-3 Credit Hours

Prerequisite: COM 3435

COM 4425 - Gender, Race and Media

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: COM 2230; must be a declared Communication, Journalism or Public Relations major. Non-majors: permission of the instructor.

This course is an examination of mass media portrayals of gender and race, from years past to present. Students analyze media artifacts, identify recurring themes, and explore research about the societal effects of stereotypical media portrayals.

COM 4430 - Media Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: COM 2230; must be a declared Communication, Journalism or Public Relations major. Non-majors: permission of the instructor.

leadership. Special attention is given to understanding communication theory and extending social science research.

COM 4444 - Film and Video Structure and Process

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: 60+ credit hours.

An examination of the television and motion picture industries, covering such factors as development, pre-production, the production process, post-production and distribution. Emphasis will be placed on the managerial aspects of the process and will include the institutional/instructional video market.

COM 4455 - Organizational Communication Audit (Capstone)

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: COM 2205 and COM 3435 and 90+ credit hours; must be a declared Communication or Public Relations major.

This course is the study and application of the organizational communication assessment process used by consultants, trainers and managers. In this capstone course, students conduct a communication audit for a local company and develop a written analysis of the organization's internal communication patterns.

Notes: Capstone course to be taken last in concentration.

COM 4480 - Communication Theory

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: COM 3435 and 60+ credit hours; must be a declared Communication, Journalism or Public Relations major.

This course is an in-depth and diversified examination of various theories analyzing and describing the human communication process from different perspectives, including interpersonal, organizational and mass communication.

Notes: Offered as an online course.

COM 4485 - Media Studies Capstone

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: COM 4424 and COM 4480; must be a declared Communication or Public

Relations major.

COM 4485 is a seminar format of extensive readings and class discussions about mass media in order to examine theoretical and methodological concerns and their implications for our understanding of media in society. The course culminates in a research paper that integrates, critiques, extends and applies knowledge gained from the readings and the student's prior media studies. Students present the results of their research and contribute to substantive discussions of the presentations by all other students in the course.

COM 4490

JOUR 4300 - Topics in Journalism

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: JOUR 3330 or permission of the instructor; must be a declared Journalism, Communication or Public Relations major. Non-majors: permission of the instructor.

This course offers theoretical and applied approaches to journalism and citizen media strategies and tactics needed for the profession. Sample topics may include social media and journalism, sports reporting, international journalism, ethics in journalism, public affairs reporting, and innovation and entrepreneurship in journalism. This course may be taken up to two times for a total of six credit hours as long as the course content differs each semester the course is taken.

JOUR 4410 - Investigative Reporting

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: JOUR 3330; must be a declared Communication, Journalism or Public Relations major.

This course teaches students how to move beyond basic news reporting and how to develop strong story ideas, report them thoroughly and write them in compelling and impactful ways. The course examines how to uncover electronic and paper-based documents and use open records laws as part of investigative journalism.

JOUR 4412 - Sports Reporting

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Declared Communication, Public Relations or Journalism Major, and JOUR 3330

In this course students prepare for and practice writing short and long form stories about sports contests at the high school, college, and professional levels. Students produce stories in multi-

applications and theories. Student driven teams produce multi-media journalistic reflections of community life and institutions. The students, ideally working with diverse sets of community members, choose the best methods, tools and platforms for telling their stories and justifying their choices. This is the capstone course showcasing what students have learned in the Journalism and Citizen Media concentration.

PR 3335 - Public Relations Principles

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: COM 2230 or COM 2205

An introduction to the history, role, and functions of public relations, including public relations theory, ethics, and industry and career issues.

PR 3355 - Public Relations Cases

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PR 3335; must be a declared Communication major.

This course examines basic roles and functions of messaging strategy in promoting organizational goals. A case study approach emphasizes theory and methods for effective communication with diverse organizational publics, including the mass media, employees, consumers, financial stakeholders and special interest groups.

PR 3375 - Public Relations Writing

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Communication Major AND PR 3335

This course offers practice in writing public relations applications, including news releases, public service announcements, and newsletter articles. Students create a portfolio of writing samples.

PR 3380 - PR Strategies and Tactics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Communication Major AND PR 3335

This course examines the application of strategies and tactics used to achieve objectives of a public relations plan. Students learn and practice foundational skills and techniques used in the professional practice of public relations, such as developing effective communication strategies and tactics, media relations, media training, distribution of news and information, special events and the use of photos, graphics and video.

PR 3385 - International Public Relations

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PR 3335; must be a declared Communication major

This course introduces students to the global perspective of public relations while emphasizing corporate and agency public relations. Students learn and apply concepts of planning, research and international or cultural communication in the field of public relations.

PR 3429 - Persuasion Methods and Strategies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course provides a study of the theories, methods, applications and implications of persuasion from the days of Aristotle to today's political and commercial arenas. The course explores the practice of changing attitudes and opinions via non-coercive means.

PR 4210 - Social Media for Strategic Communication

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PR 3335 or JOUR 3330 and declared Communication, Journalism or Public Relations Major.

Students learn theory and practice of social media in a professional, strategic communication setting, with an emphasis on the connection between traditional best practices and emerging techniques.

PR 4405 - Digital Publication Design

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: COM 2135 and Communications, Journalism or Public Relations major.

This course explores digital publication design in the practice of public relations and strategic communication. In addition to principles of design, including the use of photography and graphics, students learn to prepare content and communicate strategic messages through c

PR 4605 - Magazine Media

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PR 3375 or JOUR 3330 or PR 4405 and Approval of Application by Instructor

This course provides students with a working knowledge of the processes involved in the development, preparation and distribution of a major multi-platform publication. Students are involved in all facets of the magazine publication, including research and information gathering, writing, editorial functions, photography, layout and design, and promotion and advertising.

PR 4670 - Crisis Leadership Communication

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: 60 credit hours, COM 3435, and be a declared Communication major. Non-majors: 60 credit hours and a comparable research course in another major.

Leaders need communication skills and requisite knowledge to guide organizations through the

CGDD 4003 - Digital Media and Interaction

3 Class Hours 0 Laboratory Hours

CGDD 4313 - Designing Online Learning Content and Environments

2 Class Hours 2 Laboratory Hours 3 Credit Hours

This course explores the use of online environments to present educational content for users. Topics include: interaction patterns in online learning environments, providing accessible and intuitive materials, multi-modal presentations of content, and the benefits and limitations of online learning environments. This course requires a critique of existing online environments and the development of a new learning environment, and human-computer interaction issues are an important consideration for this course.

CGDD 4603 - Production Pipeline and Asset Management

2 Class Hours 3 Laboratory Hours 3 Credit Hours

Prerequisite: CS 4722

This course provides an in-depth exploration of the production of media content. This course covers elements of the production pipeline from concept to content generation to post production and quality assurance. Topics include asset creation and management, cost-quality tradeoffs, and phases of production. Current and emerging models of the production pipeline such as user-generated content and participation will also be discussed. A significant, team-based project is required.

CGDD 4703 - Data Modeling and Simulation

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite:

from more senior students taking the Capstone course. This course involves weekly status, design, and development meetings.

CGDD 4814 - Studio 2

1

CS 1305H - Honors Programming Principles

4 Class Hours 2 Laboratory Hours 6 Credit Hours

Prerequisite: Admission to the Honors Program and MATH 1113 (may be taken concurrently)

This course is an introduction to problem-solving methods that lead to the development of correct and well-structured programs. The course emphasizes object-oriented methods. Topics will include a variety of concepts and applications, such as inheritance, collections, exceptions, graphics, computational methods, and graphical user interfaces. The course also includes coverage of the fundamentals of computer systems.

CS 2290 - Special Topics

3

CS 3410 - Introduction to Database Systems

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in CS 1302

Introduction to the database management systems, database processing, data modeling, database design, development, and implementation. Contrasts alternative modeling approaches. Includes implementation of current DBMS tools and SQL.

CS 3501 - Computer Organization, Architecture, and Communications

3 Class Hours 2 Laboratory Hours 4 Credit Hours

Prerequisite: CS 1302

An introduction to the theory and fundamentals of computer architecture and data communications. Computer organization topics include: data representation, binary arithmetic, and numbering systems. Computer architecture topics include Boolean algebra, logic gates, digital components, combinational and sequential circuits, circuit design, CPU basics, internal

Notes: It may substitute for a CS major elective.

CS 4504 - Distributed Computing

3 Class Hours 0 Laboratory Hours 3 Credit Hours

CS 4523 - Programming Massively Parallel Processors

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CS 3304, CS 3502

A study of practical parallel algorithms with an emphasis on implementation and performance issues on massively parallel processors. Design and implement high performance computing applications using CUDA running on Graphics Processing Unit (GPU). Topics include heterogeneous parallel programming, hardware threading models, synchronization, parallel

in detail. More advanced topics that build on the student's understanding of network protocols are also introduced, such as network security, mobile networks and the future Internet.

CS 4632 - Modeling and Simulation

3 Class Hours 0 Laboratory Hours

CS 4722 - Computer Graphics and Multimedia

Construction Management

CM 1000 - Orientation to Construction and Development

1 Class Hours 2 Laboratory Hours 2 Credit Hours

An introduction to construction industry careers; an overview of construction industry sectors and the industry's impact on the economy; and discussion of the basics of the construction process. Also includes a preview of the construction degree curriculum and an overview of Kennesaw State University policies, procedures, and resources.

CM 2000 - Construction Graphics

2 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: CM 1000

A study of the fundamentals of graphic language used by construction professionals, with an emphasis on developing skills in expressing concepts in visual form and in reading architectural and engineering construction documents.

CM 2210 - Introduction to Structures

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CM 1000
A study of basic 1 (rs)-structural 1 (rs)-design and analysis. Primary

CM 3040 - Building Information Modeling I

2 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: CM 2000, CM 3000

A course on study of building information modeling for pre-construction applications. The course will enable the students to develop and modify building information models. It includes integration of estimates and schedules with building information models. It also prepares the students to identify conflicts caused by architectural, structural, mechanical, plumbing, and electrical systems during pre-construction stages.

CM 3110

CM 3180 - Mechanical and Electrical Building Systems

2 Class Hours 2 Laboratory Hours 3 Credit Hours

CM 3260 - Temporary Structures

2 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: CM 3210

A study of structural design and analysis concepts of temporary structures used in the construction process. Topics include formwork design, scaffolding, and material handling equipment and staging.

CM 3270 - Facility Management Strategies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CM 3180

Students in this course will learn about the history, practice and profession of Facility Management (FM). Core competencies of the FM profession as detailed by key FM organizations such as IFMA, BIFM, and FMAA will be introduced and analyzed for similarities and differences. Students will also learn about the organizational, ethical, and leadership strategies for the delivery of facility management services.

CM 3280 - Building Mechanical and Electrical Codes and Loads

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CM 3180

Study of building mechanical and electrical system loads and applicable codes. Emphasis on how they affect the construction project. Topics will include air conditioning, heating, plumbing, fire protection, electrical power, electrical lighting and building control systems. The analysis of current construction drawings will be integrated into each topic.

CM 3290 - Facilities Management Practices

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CM 3270

Students in this course will study the methods and techniques for managing facilities. The core consists of knowledge on process and techniques for strategic planning, estimating and budgeting, life cycle costing, and integrated decision making. Students also learn about the role and responsibilities of facility manager in different business forms and organization models. FM technology and its future is discussed and explored.

CM 3310 - Real Estate Development Practices

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ACCT 2100, CM 3110

The course provides an overview of the land development process and provides a foundation for the advanced land development courses. The course focuses on the steps in planning and carrying out the land development project and on the legal issues encountered in the land development profession. The course includes lectures, readings from the texts and closed library reserves, class discussion, problems, exercises and student presentations.

CM 3400 - Risk and Quality Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CM 3110

This course focuses on Exposure analysis, risk management, risk transfer and the costs

This course will provide an overview of building codes from the perspective of construction managers and superintendent. Various issues related to building codes, which must be considered by the PM/CM/superintendent, will be discussed and follow the scheduled reading assignments.

CM 3620 - Construction Finance and Feasibility

4 Class Hours 0 Laboratory Hours 4 Credit Hours

Prerequisite: ACCT 2100

A study of Financial Management for the Contractor, and Builder/Developer Organization. Topics include: balance sheet analysis using Percentage of Completion Method, Completed Contract Method with Absorption Analyses, and Work in Process Accounting regarding construction progress payments in excess of costs and estimated earnings. Ratio analysis for construction industry and bid and payment/bond performance. Cash flow projection for

CM 3810 - Advanced Construction Practice

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CM 2000, CM 3000

This course will prepare students to participate in formal interdisciplinary competitions against other Construction Management/Architecture/ Civil Engineering programs at the 4 year university level. At these competitions students are given a real life project from which they must be able to prepare a preliminary design (Design/Build competitions only), complete estimate, CPM schedule and staffing plan and present these items both in a formal bound written report, as well as a formal oral presentation. The first nine (9) weeks of the course involves intensive instruction in the areas of writing, oral presentation, estimating, scheduling and preliminary design skills as part of the pre-competition preparation process. During the final third of the course students will be expected to make corrections to their competition submittal package based on feedback frepa

CM 4230 - Heavy Materials & Temporary Structures

A study of traditional, design-build and construction management delivery methods, the management of field operations and administration of the construction contracts. Contract documents, project organization, supervision, working with owners and design professionals, procurement, management of subcontractors.

CM 4570 - Development Process I

4

CM 4900 - Capstone Project

2 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: CM 3800, CM 4560, CM 4510

Simulations and case studies of events that affect the construction organization and project.

Topics and event simulations will include problems typically encountered in the construction industry such as changed conditions, strikes, inconsistencies in documents, and surety assumption of the contract. Presentations by prominent industry representatives pertinent to the event being simulated are included.

Criminal Justice

CRJU 1101 - Foundations of Criminal Justice

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

This course provides an introduction to concepts and techniques of social science research. Students will (a) become familiar with levels of measurement, sampling techniques, research design, and research techniques, and (b) apply these techniques to the study of specific research questions in criminal justice.

CRJU 3305 - Technology and Criminal Justice

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CRJU 1101

This course involves an in-depth study of technology as it relates to crime and the criminal justice system. Topics discussed include technology associated with forensics, computer crime and homeland security. Legal issues and laws pertaining to the use of technology for investigative purposes, privacy issues and fourth amendment issues are examined. Various technologies used by police, courts and corrections are also addressed.

CRJU 3310 - Police in America

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CRJU 1101

An overview of the role of the police in American society, examining such issues as the police role in a democracy, ethnic tensions, unionization and professionalism, civil disturbances, law enforcement, and police misconduct.

CRJU 3311 - Police Administration

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CRJU 1101

This course familiarizes students with the principal issues facing contemporary American police administration. Students will gain an appreciation of the complex responsibilities associated with administering a police organization in a free society.

CRJU 3312 - State and Federal Law Enforcement Initiatives

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CRJU 1101

This course allows the student to participate in a seminar that includes up to date information from readings and through discussions with agents from state and federal agencies. Students will develop knowledge about state and federal agencies and their missions; the types of investigations under-taken by agencies; the use of technology by agencies and by offenders;

CRJU 3352 - Juvenile Delinquency and Corrections

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: SOCI 1101

CRJU 3400 - Ideological/Group Violence and Law Enforcement

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CRJU 1101

The course will examine law enforcement response to domestic and international terrorism. Topics will include threat analysis, intelligence processing, proactive measures, reactive measures, development of modern terrorism and specific terrorist groups.

CRJU 4100 - Ethics in Criminal Justice

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CRJU 1101

This course prepares students to think critically about ethical issues they will encounter in the criminal justice profession. Topics include uses of force, increasing cultural diversity, and the balance between freedom and security.

CRJU 4300 - Organized Crime

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CRJU 1101

This course examines the origins, histories, and activities of various major organized crime groups in the United States and throughout the world. Special emphasis is placed on emerging organized criminal enterprises in developing countries and regions. In addition, this course explores the methods used by law enforcement to combat organized crime.

CRJU 4305 - Technology and Crime 0.1 (e) (e) -0.2 (c) -0.2 (h) -0.2 (n) -0.2(o) (T50 0 0 50 0 0 Tr

CRJU 4400 - Directed Study in Criminal Justice

1-3 Credit Hours

Prerequisite: Approval of the instructor and department chair.

Covers special topics and seminars external to regular course offerings.

Notes: May include original research projects and practicum experiences.

CRJU 4410 - Criminal Profiling and Analysis

3 Class Hours 0 Laboratory Hours 3 Credit Hours

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course is an introduction to the fundamental principles of food and beverage services management emphasizing how food service professionals create and deliver guest-driven service, enhance value, build guest loyalty, and promote repeat business. Students learn theoretical and practical skills for effective management of food and beverage service operations relating to front and back of the house, leadership, management principles, service skills, service styles (French, Russian, American), and training of personnel.

CSH 2500 - Principles of Nutrition for the Professional

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course is designed to introduce students to the basic principles of nutrition as needed for general health and healthy menu design. Topics include macro- and micro-nutrients needs for optimum health, U.S. dietary guidelines (and international equivalents), tools to assist with menu planning and nutrient analysis. Students study food labeling, sustainable food practices, and how to apply these practices to meal and menu development, meal planning, and healthy cuisines.

CSH 3100 - Food Science I

2 Class Hours 1 Laboratory Hours 3 Credit Hours

Prerequisite: CSH 2500

This course explores engineering, biological, and physical sciences to study the nature of foods, the causes of deterioration, the principles underlying cooking and food processing, and the improvement of food quality for the consuming public. Students acquire a basic theoretical understanding of the chemical and physiochemical principles involved in creating and maintaining

CSH 3300 - Professional Development

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Culinary Sustainability and Hospitality majors: CSH 2100; Non-Culinary Sustainability and Hospitality majors: 60 credit hours and permission of the department.

This course improves students' abilities to describe their accomplishments and sell their ideas in professional networking situations, company meetings, responses to proposals, and interviews. Students learn to create career objectives based upon their research of career options and potential employers, and prepare a developmental roadmap that will lead them to success within their chosen profession.

CSH 3390 - International Initiatives in Foods (Study Abroad)

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: 75+ credit hours and permission of the department chair.

In this study abroad course, students evaluate the origins and migration of foods throughout a region, including food's relationship to religion and various cultural groups, geographical location, social practices and economic well-being. Students examine the impact of the country's sustainability practices and the basis for those practices. Students design, create, implement and evaluate a new sustainable practice in the partnered-locale.

CSH 3398 - Internship (Culinary Services Management)

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Culinary Sustainability and Hospitality majors: 60 credit hours or permission of the department chair; Non-Culinary Sustainability and Hospitality majors: not available to non-majors.

This internship applies classroom learning to the professional practice of sustainability in culinary food service and hospitality management. Students gain hands-on experience under direct supervision of managers, chefs and staff in The Commons dining hall, rotating throughout KSU food eateries, campus catering, and any outside industry partner(s), to engage in a variety of food service operations, sustainable business practices and management responsibilities.

CSH 3400 - Sustainable Facilities Design and Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Culinary Sustainability and Hospitality majors: CSH 2100; Non-Culinary Sustainability and Hospitality majors: 60 credit hours and permission of the department chair.

This course provides fundamental concepts of sustainability and resource conservation in the operations of culinary and hospitality facilities. Students learn how to work effectively with the engineering and maintenance department(s). The course prepares students to responsibly

manage with emphasis on the areas of energy, water and waste as related to their impact on the environment and facilities management. CPR/First Aid Training certification is a requirement for successful completion of the course.

CSH 3500 - Organic Agriculture and Beginning Apiary Studies

2 Class Hours 1 Laboratory Hours 3 Credit Hours

Students are introduced to the competencies and hands-on methods to practice and experience all aspects of sustainable organic farming and beginning apiary studies. This course emphasizes sustainable food production systems, soil conservation, plant nutrition, honey bees. 24 0 0 0.24

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food, beverage, and labor costs. Topics include planning, budgeting, standard costing, standardized recipes, menu development, principles of purchasing, staffing and labor costs. Emphasis is placed on controlling costs, allocation of overhead, and fiscal accountability in a sustainable environment.

CSH 4300 - Hospitality Law and Liability

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MGT 3100

CSH 4499 - Quantity Food Management

1 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: Culinary Sustainability and Hospitality majors: Students must have completed CSH 3100 and CSH 4200. This course is taken in the last or next-to-last semester in the program; Non-Culinary Sustainability and Hospitality majors: Senior standing and permission of the department chair.

Students demonstrate established standards, techniques, and practices for large quantity food production by creating a meal service event, including the menu development and design, purchasing, sales and marketing, food service production, cost analysis and service of meals in a dining room environment.

CSH 4610 - Plant-Based Cuisine

1 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: CSH 2500

This course examines vegan and vegetarian diets and the nutritional preparation of plant-based cuisines. Students explore why vegan and vegetarian diets are chosen for health, social, religious, or other reasons, with a focus on preparing meals with plant-based ingredients, modifying recipes, and determining preparation methods for highest nutritional value. Students analyze the relationship between diet and disease, and compare that for those eating exclusively plant-

such as cider and beverages and their regional or generic counterparts. Students will develop their sensory evaluation skills for the purpose of guiding commercial management decisions within the industry.

CSH 4640 - Beer Culture

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Students must be 21+ years of age to take this course

Students develop knowledge of the evolution of brewing and brewer's culture and practices, an understanding of various beer and ale styles, the effects of local culture and society, and the relationship of various technologies on the brewing process. Samples of beers illustrate the sensory properties (flavor, color, foam, and haze), microbiological processes, and chemical components that determine beer quality. Students develop and sharpen sensory skills to discern stylistic nuances as well as technical production issues.

CSH 4650 - Fundamentals of Brewing

1 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: Must be 21+ Years of Age

Students explore the art and science of brewing beer, the business of its production, distribution and sale and its place in a cuisine pairing. Students will handcraft several types of beer, going from grain to finished product, exploring the science of fermentation, learning to critique various styles, and gaining an understanding of beer's place in history, culture and cuisine.

CSH 4660 - Event Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course provides an introduction to the principles of event management including special event research, planning, coordination, marketing, management and post-event evaluation.

Through instruction, observation and analysis, students probe, explore and draw conclusions about "what works" in event management. Students may obtain professional certification upon satisfactory completion of certification examination.

CSH 4670 - Catering

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Students study the techniques, logistics, and responsibilities involved in the management of on-premise and off

facilities, challenges and solutions, assessing the needs and requirements in both on-premise and off-premise settings.

CSH 4690 - Baking and Pastry

1 Class Hours 2 Laboratory Hours 3 Credit Hours

DANC 2100 - African Dance Technique

0 Class Hours 3 Laboratory Hours 2 Credit Hours

Students experience a variety of African dance forms, understand their relationship to the native culture, and study the technical aspects of their performance. This course may be taken twice for credit.

DANC 2200 - Tap Dance Technique I

0 Class Hours 3 Laboratory Hours 2 Credit Hours

of the form and its major choreographers.

Notes:

DANC 3130 - Ballet IV: Classical Dance Technique

0 Class Hours 3 Laboratory Hours 2 Credit Hours

Prerequisite:

Notes: May be taken twice for credit.

DANC 3230 - Jazz Dance: Style IV

0 Class Hours 3 Laboratory Hours 2 Credit Hours

Prerequisite:

DANC 3320 - Modern Dance III: Contemporary Dance Technique

0 Class Hours 3 Laboratory Hours 2 Credit Hours

Prerequisite: DANC 3310 or permission of the instructor.

This is an intermediate-advanced modern technique course for advanced dancers. Students will continue to develop neuromuscular coordination, correct alignment, body placement and balance. Students will also continue to develop proficiency in one or more movement styles a50 0 0 502(w)

DANC 3550 - Choreography I

0 Class Hours 3 Laboratory Hours 2 Credit Hours

Prerequisite: Two 3000-level DANC classes or permission of the instructor.

This course introduces dance choreography including improvisational techniques and choreographic devices appropriate for the concert stage.

DANC 3600 - Dance Improvisation

0 Class Hours 3 Laboratory Hours 2 Credit Hours

Prerequisite: ENGL 1101

In this course, students will creatively discover and investigate the body's potential to move without preconception. Through a variety of movement stimulation exercises students are encouraged to develop their inner creativity and explore movement invention.

Notes: May be taken twice for credit.

DANC 3700 - Body Conditioning and Somatics

0 Class Hours 3 Laboratory Hours 2 Credit Hours

Prerequisite: ENGL 1101

This course offers the study of a variety of physical conditioning methods such as yoga and pilates combined with injury prevention techniques that promote physical efficiency and physical development of the body.

Notes: May be taken twice for credit.

DANC 4010 - Dance Hist50 S 0.2 (() Tj ET Q q 0.24 0 0 0.24 292.j ET Q q 0.24 0 0 0.24u

DWMA 4430 - Visual Design II for Content Creators

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: DWMA 3430

This course further examines the role of visual design for digital content creators and information designers. Students develop competency with visual design through completion of practical projects that use typography, photographs, illustrations, and information graphics.

resource portfolio useful to early care and education administration. Additionally, candidates demonstrate knowledge of appropriate child behavior guidance strategies by developing a guidance plan.

Notes: A criminal background check is required of candidates prior to the observation.

culturally relevant pedagogy, and language in the context of the classroom. Emphasis is placed on identifying and designing instructional strategies and learning tasks to meet the needs of all students. Prospective teachers design appropriate assessments used to evaluate student performance and examine how to support student use of feedback.

ECE 3313 -

ECE 3340 - Diagnosis and Application of Literacy Instruction in the Early Childhood Classroom

3 Class Hours 1 Laboratory Hours 3 Credit Hours

Prerequisite: Admission to Teacher Education program, ECE 3320; ECE 3330

This course is the study and application of diagnostic and instructional activities for the pre-service elementary and early childhood classroom teacher. It includes both formal and informal

ECE 3560 -

and intrinsic motivation. This Conceptual Framework undergirds the research based Montessori System of Education.

ECE 4315 - Sensorial Development

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Corequisite: ECE 4305, ECE 4310, ECE 4320.

Candidates will learn to use a rich array of developmentally appropriate materials that address each of the child's senses in ways that establish foundations for cognitive growth. Work with these materials promotes the development that children need for the successful mastery of writing, reading, and mathematics skills. Candidates learn to give sensorial presentations with Geometry, Botany, Geography, and Peace Education Curriculum materials and also learn to help children develop listening, sight singing and musical notation skills.

ECE 4336 - The Competent Manufacture and Presentation of Language Materials

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Corequisite: ECE 4335, ECE 4345, ECE 4355

Students will manufacture and practice presenting the many research-based language materials designed for use in offering developmentally appropriate language arts presentations and activities to 3-5 year old children. These materials are not available from Montessori suppliers, so each teacher prepares 70 selected materials for his/her own classroom. Students practice with the materials to develop and refine the skills they need to give language presentations to young children effectively.

ECE 4345 - Preparing the Mathematical Mind of the Young Child

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Corequisite: ECE 4335, ECE 4336, ECE 4355

Research-based materials and teaching/learning strategies are used to present numeration and mathematics to young children. Candidates will learn to present linear counting, the four operations and tables, commulative and squaring operations, binomial addition, and the multiplication of polynomials to young children. Memorization materials are presented with which to review and enhance the recall of known number facts.

ECE 4355 - Observation and Supervised Practice Teaching - Early Childhood II

0 Class Hours 9 Laboratory Hours 6 Credit Hours

Corequisite: ECE 4335, ECE 4336, and ECE 4345.

Candidates will learn to develop, plan, and implement strategies for the care and education of 3-5 year old children. Candidates will teach under the supervision of child care professionals and university faculty. Candidates will develop skills in the presentation of developmentally

within a teaching field concentration or degree major. The content of the directed study will be determined jointly by the instructor and the student.

ECE 4401 - Teaching Mathematics in Early Childhood Education

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MATH 3318, ECE 4635

This course consists of the integration of mathematics concepts, principles and processes into the teaching of mathematics in preschool through fifth grade. Emphasis is placed upon developmentally appropriate practices and culturally relevant pedagogies in planning, implementing and evaluating instruction in the mathematics curriculum.

Notes: Verification of professional liability insurance is required prior to placement in the field experience.

ECE 4402 - Teaching Science in Early Childhood Education

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ISCI 2001, ISCI 2002, ECE 4635

This course is the study of integrating science concepts, principles and processes into the teaching of science in preschool through fifth grade. Emphasis will be placed upon developmentally appropriate practices in planning, implementing and evaluating instruction in the science curriculum.

Notes: Verification of professional liability insurance is required prior to placement in the field experience.

ECE 4403 - Teaching Social Studies in Early Childhood Education

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A "C" or better in HIST 2111 or HIST 2112 Corequisite: ECE 4635

This course consists of integrating social studies across the curriculum and effective strategies for planning, implementing and evaluating instruction in social studies in preschool through fifth grade. Emphasis is placed upon developmentally appropriate practices and culturally relevant pedagogies in planning, implementing and evaluating instruction in the social studies curriculum.

ECE 4404 - Teaching Reading & Language Arts Across the Curriculum in Early Childhood Education

2 Class Hours 5 Laboratory Hours 3 Credit Hours

Prerequisite: EDUC 3302 and ECE 3340

This course encompasses the study of the integration of language arts across the curriculum and effective strategies for planning, implementing and evaluating instruction in reading, writing, listening and speaking in preschool through fifth grade. Emphasis on assessment techniques and approaches to conducting guided lessons in reading and writing that are culturally and developmentally appropriate. Includes an extensive field experience and media use.

Notes: Verification of professional liability insurance is required prior to placement in the field experience.

ECE 4405 - Teaching Language Arts and Social Studies in Early Childhood

2 Class Hours 5 Laboratory Hours 3 Credit Hours

Prerequisite: Admission to the TOSS program and ECE 3340

This course consists of integrating language arts across the curriculum and effective strategies for planning, implementing and evaluating instruction in reading, writing, listening, and speaking in preschool through fifth grade. Emphasis is placed upon assessment techniques and approaches to conducting guided lessons in reading and writing that are culturally and developmentally appropriate.

ECE 4473 -

language-rich environment. Candidates also learn methods and strategies for teaching pre-reading and reading to very young children. This course may require a field experience in an early learning environment.

ECE 4525 - Methods of Nurturing Second Language Acquisition

2 Class Hours 5 Laboratory Hours 3 Credit Hours

Prerequisite: Admission to the Teacher Education program; EDUC 2120

Candidates will learn the language proficiency levels for the four skills and appropriate techniques for working with English Language Learners and families. Candidates will examine major principles of linguistic systems and their acquisition as they occur in first and additional languages. Candidates will explore oral and written language and become familiar with assessment tools for evaluating second language development. A 15-hour field experience is required.

Notes: Verification of professional liability insurance is required.

ECE 4535 - Methods of Instruction and Identification of B-5 Children with Special Needs

3 Class Hours 1 Laboratory Hours 3 Credit Hours

Prerequisite: Admission into Teacher Education

This course is designed to assist the teacher candidate in preparing environments to meet the

ECE 4555 - Methods for Teaching Social Studies Birth through Kindergarten

2 Class Hours 1 Laboratory Hours 3 Credit Hours

Prerequisite: Admission to Teacher Education and ECE 3575 and ECE 3520

Corequisite: ECE 3530, ECE 4515 and ECE 4545

Candidates plan and teach developmentally appropriate social studies lessons for birth-through-kindergarten students using research-based early childhood teaching methods. Candidates also design and implement developmentally appropriate assessments with young children in their field experience. Additionally, candidates design and evaluate discipline and guidance practices to promote healthy social and emotional development.

ECE 4635 - Practicum

0 Class Hours 4 Laboratory Hours 1 Credit Hours

Corequisite: ECE 4403

Candidates are placed in school settings for the purpose of developing their skills in the areas of planning and instruction. Observations and participation in a classroom setting are required with a focus on social studies and culturally relevant learning experiences, materials, and equipment.

ECE 4650 - Yearlong Clinical Experience I (P-5)

0 Class Hours 24 Laboratory Hours 6 Credit Hours

Prerequisite: Admission to the Yearlong Clinical Experience

This course is the first semester of an intensive and extensive co-teaching yearlong clinical experience in elementary education. Under the guidance of a collaborating teacher and university supervisor and working in a diverse environment that includes students with exceptionalities and English learners, candidates practice professional competencies that impact student achievement. This experience includes regularly scheduled professional seminars. Proof of liability insurance is required.

ECE 4660 - Yearlong Clinical Experience II (P-5)

0 Class Hours 24 Laboratory Hours 6 Credit Hours

Prerequisite: ECE 4650; Eligibility to take GACE Corequisite: ECE 4410

This course is the second semester of an intensive and extensive co-teaching yearlong clinical experience in elementary education. Under the guidance of a collaborating teacher and university supervisor and working in a diverse environment that includes students with exceptionalities and English learners, candidates practice professional competencies that impact student achievement. This experience includes regularly scheduled professional seminars and the completion of a content pedagogy assessment. Proof of liability insurance is required.

EDSM 1101 -

ECON 3300 -

ECON 4210 - Money and Financial Markets

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and FIN 3100

ECON 4490 -

markets and competitive interactions among firms, how the firm positions itself to compete, and how the firm designs its organizational architecture to support its competitive goals.

ECON 4610 - Macroeconomics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement; Non-business Majors: 60 credit hours, ECON 2200, and permission of the Coles College of Business.

Analysis of the determination of output, employment, interest rates, and income with emphasis on the influence of fiscal and monetary policy.

ECON 4710 - Econometrics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and ECON 2300 ; Non-business Majors: 60 credit hours, ECON 2200, and ECON 2300 or MATH 1107, and permission of the Coles College of Business.

Study of the tools used for estimating and forecasting demand, revenue and cost, as well as demographic characteristics of importance to an individual in a business decision-making position.

ECON 4750 - Multivariate Data Analysis

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and ECON 2300 ; Non-business Majors: 60 credit hours, ECON 2200, and ECON 2300 or MATH 1107, and permission of the Coles College of Business.

The theory and application of quantitative methods of data analysis. Emphasis is on the application of statistical principles to empirical model building in business and economics. Topics include regression analysis, analysis of variance, factor analysis, discriminant analysis, parametric and nonparametric tests, sampling techniques, and experimental design.

ECON 4760 - Business Forecasting

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and ECON 4710 ; Non-business Majors: 60 credit hours, (a) 0.2(bus) 0..24 0 0 0.24 151.1191 128.16 cm BT 50 0 0 506 cmBT 5cm BT50 (

introduced. Specific topics include: basic graphic methods for analyzing data; modeling forecasting trend and seasonality; ARMA modeling of time series; unit root and ARIMA process; forecasting volatility; evaluation and comparison of forecasting models.

ECON 4810 - Quantitative Decision Models

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and ECON 3300 ; Non-business Majors: 60 credit hours, ECON 2200, ECON 3300, and permission of the Coles College of Business.

This course focuses on both the theory and application of quantitative models to support decision-making under uncertainty. General topics include basic spreadsheet modeling, general probability distributions and decision making under uncertainty, and risk analysis. Specific topics to be covered include Monte Carlo Simulation, Decision Trees, and Real Options Analysis. A mixture of cases and in-class demonstrations will be used to develop your skill in applying management science approaches to decision making within a business environment.

ECON 4850 - Decision Analysis and Simulation

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and ECON 2300 ; Non-business Majors: 60 credit hours, ECON 2200, and ECON 2300 or MATH 1107, and permission of the Coles College of Business.

The theory and application of stochastic decision models. Emphasis is on the application of probability and simulation techniques to structure decision problems in business and economics. Topics include measurement of risk, decision processes, decision analysis, and static and dynamic simulation models.

Education

EDUC 2110 - Investigating Critical and Contemporary Issues in Education

2 Class Hours 1 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course engages potential education candidates in observations and interactions in schools, and analyses of critical and contemporary educational issues. Candidates investigate issues influencing the social and political contexts of educational settings in Georgia and the United States. Candidates actively examine the teaching profession from multiple vantage points both

within and outside the school. Against this backdrop, candidates reflect on and interpret the

EDUC 3302 - Curriculum and Assessment

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Admission to the Teacher Education Program

Education -

implement an effective management program. This course includes a 15-hour field experience. A current criminal history background check and proof of liability insurance is required.

EDMG 3398 - Internship

1-12 Credit Hours

Prerequisite: Permission of advisor and department chair.

A supervised work experience with an approved business firm, private agency or government agency. Credit is allowed only in elective areas.

Notes: Credit is allowed only in the elective areas.

EDMG 4400 - Directed Study

1-3 Credit Hours

Prerequisite: Approval of the instructor and department chair prior to registration.

A concentrated investigation of a particular aspect of education as a topic within a teaching field concentration or degree major. The content of the directed study will be determined jointly by the instructor and the student.

EDMG 4401 - Teaching Mathematics in Middle Grades

to middle grades learners. Candidates will develop and implement plans for teaching in an interdisciplinary team setting.

EDMG 4403 - Teaching Social Studies in Middle Grades

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: EDMG 3350 and successful completion of all teaching field courses.

Corequisite: EDMG 4650

This course is a part of a 12-hour block designed to develop appropriate teaching strategies in candidates' two teaching fields. Candidates apply learning theories, teaching techniques, questioning strategies, instructional materials, and assessment procedures for teaching social studies to middle grades learners. Candidates will develop and implement plans for teaching in an interdisciplinary team setting.

EDMG 4404 - Teaching Language Arts in Middle Grades

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: EDMG 3350 and successful completion of all teaching field courses.

Corequisite: EDMG 4650

This course is a part of a 12-hour block designed to develop appropriate teaching strategies in candidates' two teaching fields. Candidates apply learning theories, teaching techniques, questioning strategies, instructional materials, and assessment procedures for teaching language arts to middle grades learners. Candidates will develop and implement plans for teaching in an interdisciplinary team setting.

EDMG 4405 - Curriculum and Instruction in Middle Grades

4 Class Hours 2 Laboratory Hours 5 Credit Hours

Prerequisite: EDUC 3308

This collaboratively taught course is a segment of an 11-hour block designed to develop appropriate teaming skills for middle grades teachers. The teaching team models instructional strategies that exemplify the philosophy of middle school education. Students become part of an instructional team to develop effective strategies for interdisciplinary settings. Student teams are paired with school instructional teams during an extensive field experience. Proof of liability insurance is required prior to school placement.

Notes: Proof of professional liability insurance is required prior to receiving a school placement.

EDMG 4406 - Methods and Management in the Middle Grades: Field Experience

0 Class Hours 9 Laboratory Hours 3 Credit Hours

Prerequisite: EDMG 3350 Corequisite: EDMG 4407 and two of EDMG 4401, EDMG 4402, EDMG 4403, and/or EDMG 4404.

This course is an intensive and extensive field experience in a middle school. Candidates will be required to spend up to four hours per day, four days per week in their placement. Candidates must have a satisfactory field experience to continue on to student teaching. Proof of liability insurance and criminal background check are required prior to receiving a school placement.

Notes: Proof of professional liability insurance and criminal background check are required prior to receiving a school placement.

EDMG 4407 - Classroom Management in the Middle Grades

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: EDMG 3350 Corequisite: EDMG 4406 and two of EDMG 4401, EDMG 4402, EDMG 4403, EDMG 4404, and/or EDMG 4408.

The focus of this course is on preparing prospective middle grade teacher candidates to create and manage positive, productive classroom environments, including those in urban settings. It is understood that these classrooms typically include diverse groups of learners. Management is accomplished through both the development of a comprehensive understanding of the learning and behavior principles that underlie effective classroom management and acquisition of the strategies and skills needed to implement an effective management program.

EDMG 4408 - Teaching Reading in the Middle Grades

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: EDMG 3350 and successful completion of all teaching field courses.

Corequisite: EDMG 4650

EDMG 4411 - Seminar in Middle Grades Education

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: EDMG 4650 Corequisite: EDMG 4660

This seminar supports and assesses candidate development in middle grades education during the capstone experience. Candidate reflect on the development of their competencies, skills, and dispositions, and support for teacher performance assessments is provided. Seminar discussions will challenge candidates to examine and integrate current issues, values, and practices in the middle grades.

EDMG 4475 - Student Teaching in Middle Grades

0 Class Hours 36 Laboratory Hours 12 Credit Hours

Prerequisite: Admission to Student Teaching.

Full-time teaching experience under the supervision of a public school cooperating teacher and college supervisor in an upper elementary school classroom or in a middle school. Includes regularly scheduled professional seminars. Proof of liability insurance is required prior to school placement.

Notes: Proof of professional liability insurance is required prior to receiving a school placement.

EDMG 4490 - Special Topics in Education

1-9 Credit Hours

Prerequisite: Permission of the instructor and department chair.

Selected special topics of interest to faculty and students.

EDMG 4498 - Classroom Internship

1-12 Credit Hours

Prerequisite: Permission of the director of Center for Education Placements and Partnerships and advisor.

A supervised teaching experience for teachers seeking certification or renewal credit. Proof of professional liability insurance is required prior to receiving a school placement.

Notes: Proof of professional liability insurance is required prior to receiving a school placement.

EDMG 4650 - Yearlong Clinical Experience I

0 Class Hours 24 Laboratory Hours 6 Credit Hours

Corequisite: Two of the following: EDMG 4401, EDMG 4402, EDMG 4403, EDMG 4404 or EDMG 4408

This course is the first semester of an intensive and extensive co-teaching yearlong clinical practice in middle grades education. Under the guidance of a collaborating teacher and university supervisor, candidates practice professional competencies that impact achievement for diverse populations of learners including students with exceptionalities and English learners. This experience includes regularly scheduled professional seminars. Proof of liability insurance is required.

EDMG 4660 - Yearlong Clinical Experience II

0 Class Hours 24 Laboratory Hours 6 Credit Hours

Corequisite: EDMG 4411

This course is the second semester of an intensive and extensive coteaching yearlong clinical experience in middle grades education. Under the guidance of a collaborating teacher and university supervisor and working in a diverse environment that includes students with exceptionalities and English learners, candidates practice professional competencies that impact student achievement. This experience includes regularly scheduled professional seminars and the completion of a content pedagogy assessment. Proof of liability insurance is required.

Education - Reading

EDRD 3320 - Understanding the Reader and the Reading Process

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in EDUC 2110

ENGL 2111 , ENGL 2112 , ENGL 2120 , ENGL 2130 ,ENGL 2131 , ENGL 2132 , ENGL 2300
This course provides an understanding for selecting and using diverse young adult literature in middle grades classrooms. It examines reading and writing theories and introduces students to various methodologies for teaching literature. It acquaints students with a reading and writing experience using diverse literary works for adolescents, introduces students to book selection aids and electronic database media resources for middle grades environments.

EDRD 4410 - Reading to Learn in the Content Areas

3 Class Hours 0 Laboratory Hours 3 Credit Hours
Prerequisite: Admission to the Teacher Education program.

design, logic simplification and implementation using standard digital IC's and programmable logic devices. Topics include: binary number systems, binary arithmetic, logic families, design techniques, logic simulation, F/F's, counters, registers, memory technologies and PLD's.

ECET 2000 - Introduction to Biomedical Engineering Technology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ECET 2111 or ECET 2110 Corequisite: ECET 2310

An overview of Biomedical Engineering Technology and the Biomedical Engineering industry.

The course provides an introduction to engineering applications in the medical and health care industry. Emphasis will be on the analysis of biological/biomedical problems utilizing fundamental

concepts and tools. Topics include the acquisition, monitoring and analyzing biological signals,

electrodes, bio-potential measurements, ECG, pacemakers, def302 518.88 i0.2 (f302 (6 0.2 (pa) 0.2 d) 0.2 (€

ECET 2300 - Electronics I

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite:

aid and CPR; electrical, fire, and radiation safety; infectious control; and hazardous communications.

ECET 3020 - Biomedical Instrumentation

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: ECET 2000

An introduction to biomedical instrumentation principles, design, measurement and analysis techniques. This course provides an overview of typical biomedical instruments used in the field. Topics include the acquisition and analysis of biomedical signals, a study of medical diagnostic instruments and equipment; monitors, intensive care units, coronary care units, operating room equipment, telemetry systems, ECG machines, life support equipment, respiratory instrumentation, brain monitors, medical ultrasound, electro-surgery units, and hemodialysis machines.

ECET 3030 - Biomechanics

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: ECET 3020

An introduction to mechanical properties of bone, muscle, and soft tissue. Topics include static and dynamic analysis of human bodily movement, the design of orthotic/prosthetic devices and orthopedic implants, rehabilitation engineering, biomechanics simulation, kinetic analysis of biological systems and medical devices.

ECET 3220 - Digital III

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: ECET 2210 and ECET 2310

The student will design a single board computer (SBC) incorporating standard components

ECET 3600 - Test Engineering

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: ECET 2210 and ECET 2310

An introduction to test engineering principles with emphasis on computer-controlled instrumentation and data acquisition using industry standard bus structures such as the IEEE-488 bus and related protocol, D/A, A/D, and parallel I/O interfaces. Application software will be written in Visual Basic for testing a particular unit and interfacing various GPIB instruments. Visual Basic will be used as the overall project management software for the Unit Under Test. Design for testability and related topics will also be covered. Laboratory projects will emphasize automated testing using the principles covered in class.

ECET 3620 - Signals and Systems Analysis

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: ECET 2310 and MATH 2306

Analysis of continuous -time signals occurring in circuits and systems containing linear and nonlinear elements. Analysis methods include graphical techniques, Laplace transform, Fourier analysis, convolution, and difference equations. Fundamental topics regarding AM and FM communication systems, Bode plots for transfer functions of arbitrary complexity, classical filter responses, and practical second-order filter designs are also presented. An introduction to discrete-time systems including sampling theory is also covered. MathCad and PSpice are utilized in conjunction with some of the computational laboratory exercises.

ECET 3640 - Introduction to Systems Engineering and Robotics

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite:

systems will emphasize Linux and DOS. The PC BIOS and peripherals such as disk drives and video interfaces will also be studied.

ECET 3710 - Hardware Programming and Interfacing

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: ECET 1200 and ECET 2300

Includes a discussion of other emerging imaging technologies such as nuclear imaging (PET and SPECT).

ECET 4030 -

In this capstone course, the students implement the design and development of an approved bioengineering project. The project, which will involve the design, fabrication, and formal demonstration of hardware and software functionality, is completed during the course of the semester. A formal report and oral presentation are required.

introduced and the effects of noise in communications systems are investigated. Laboratory experiences demonstrate circuits and concepts discussed in the classroom.

ECET 4431 -

ECET 4490 - Special Topics

1 to 4 Credit Hours

Prerequisite: Junior or Senior standing

Special topics selected by the department. Offered on a demand basis.

ECET 4510 - Power System Analysis

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: ECET 2111

This course involves the analysis of power systems starting with the calculation of line resistance, line inductance, and line capacitance of power transmission lines. These parameters

ECET 4530 - Industrial Motor Control

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: ECET 2111 and ECET 3500

This introductory design course is a study of manual and automatic, starters and controllers of ac and dc motors. The course will concentrate on three-phase induction motor starters and controllers with some study of dc motor starters and controllers. The induction motor coverage will include both full-voltage and reduced voltage techniques, with the emphasis on the reduced voltage methods. Line impedance, auto-transformer, wye-delta and part-winding starters will be included. The laboratory will consist of several projects in designing, testing and demonstrating various motor starters and controllers. The designs will require using Programmable Logic Controllers in the projects. The course will conclude with variable frequency drives.

ECET 4540 - Introduction to Power Electronics

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: ECET 2310 and ECET 3500

An introduction to the devices, circuits and systems utilized in power electronics. An overview of power semiconductors: switches diodes, thyristors, gate turn-

characteristics, stability and frequency response are analyzed. Compensation and controller design using Root locus methods are covered. The use of control system software, such as MATLAB, in the analysis and design of control systems is emphasized.

ECET 4630 - Digital Signal Processing

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: ECET 2310 , ECET 3220, and MATH 2306

An introduction to the concept of discrete and digital signals and systems. Difference equations, Discrete Fourier Transforms (DFTs), Fast Fourier Transforms (FFTs), Z-Transform techniques, IIR filter design, and FIR filter design are covered. An introduction to the architecture, assembly language and application examples of general and special purpose microprocessors such as the TMS 320 and DSP56000 families is included.

ECET 4710 - Network Programming and Interfacing

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: ECET 3400 and ECET 3810

Introduction to the application and design of embedded and networked PC systems.

Programming emphasis will be Visual C++ including TCP/IP. Networking emphasis will be on an Ethernet LAN connecting desktop and embedded PC's. Interfacing emphasis will be on robotic subsystems including vision, voice, motion-control, web-based data acquisition, and wireless sub-systems. WinCE and pocket PC networking will also be introduced.

ECET 4720 - Distributed Microcontrollers and PCs

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: ECET 3220

A study of networked PIC microcontrollers connected to a host PC or several networked PCs. Two popular versions of various microcontroller architectures will be discussed. Software will emphasize both assembly language programming and ANSI C programming. Hardware will emphasize the bus interconnections between the devices such as RS232/RS485, I2C, CAN, SPI, etc. Example Real Time Operating Systems (RTOS) for microcontrollers is introduced as well. Development of a capstone project, through the design of a printed circuit board is also included.

ECET 4730 - VHDL and Field Pro

residential broadband systems, wireless technologies, network security techniques and implementation, and emerging technologies (IPv6, 3G and 4G networks).

ECET 4850 - Telecommunications Project

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: ECET 4830 (or concurrently), ECET 4840 (or concurrently)

This course teaches the student how to design, implement and troubleshoot advanced telecommunications networks. Both individual and team tasks are undertaken to challenge the student's acquired skill set. A comprehensive telecommunications project is completed, piece-by-piece, throughout the semester.

ECET 4860 - Network Security

3

EE 2290 - Special Topics

1-6 Credit Hours

Special Topics course for Electrical Engineering majors.

EE 2301 - Circuit Analysis I

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: PHYS 2211 and PHYS 2211L

This course introduces basic circuit analysis including resistive circuits, voltage and current sources, analysis methods, network theorems, energy storage elements, and AC steady-state analysis. Techniques for analyzing resistive networks are heavily emphasized. In addition, the physical mechanisms of capacitance and inductance are examined along with analysis of transient responses in circuits containing resistors, capacitors, and inductors. Laboratory exercises reinforce the theoretical concepts presented in class and provide various opportunities to become proficient with standard instrumentation used in electrical engineering.

EE 2302 - Circuit Analysis II

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: EE 2301, MATH 2306 and PHYS 2212

A continuation of basic Circuit Analysis I which focuses on RC, RL, and RLC circuits, mutual inductance, series and parallel resonance, two-port networks frequency response, AC power including power factor correction, as well as three phase circuits. Simulation is heavily emphasized using state of the art software such as PSPICE.

EE 2401 - Semiconductor Devices

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CHEM 1211, CHEM 1211L and EE 1000

This course effectively applies the knowledge of chemistry and physics to understand the operating principles of various semiconductor devices. The course covers topics starting from the fundamental concepts of atomic and crystal structure, crystal growth, impurity doping and energy bands to the in-depth device operation and quantitative analysis of p-n junction diode, metal-semiconductor contacts and Schottky diode, BJTs and MOSFETs. Also fundamental operating principles of optoelectronic devices such as, LEDs and photodiodes are discussed.

EE 3501 - Embedded Systems

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: EE 2501 and Engineering Standing

An introduction to microcontrollers and integrated microprocessor systems. Emphasis is placed on the Intel 8051 and Motorola 68HC11 families and derivatives. Hardware/software trade-offs, system economics and functional configurations are examined along with serial and parallel communications, watchdog timers, low power operation, and assembly language programming techniques. The architecture of design of sampled data systems is explored using case studies of representative applications.

EE 3601 - Electric Machines

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: EE 2301 and Engineering Standing

The study of the fundamentals of electro-mechanical energy conversion, magnetic circuits and electromagnetic devices, theory of operation and operating characteristics of transformers, DC machines, AC induction and synchronous machines and stepper motors.

EE 3603 - Electronic Power Conversion

2 Class Hours 3 Laboratory Hours 3 Credit Hours

Prerequisite: Engineering Standing and EE 2302

This course introduces students to the following: Power electronic devices; Power electronic circuits; Applications; Modeling, analysis and simulation using various software. Students will also perform experiments on various power converters to learn practical skills, and relate theory to real-world practice.

EE 3605 - Electromagnetics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PHYS 2212 , PHYS 2212L and MATH 2203 and Engineering Standing

An advanced treatment of static electric and magnetic fields and their sources, Poisson and Laplace equations and boundary value problems, time-varying electromagnetic fields and Maxwell's equations. Plane wave propagation in free space and in materials is examined.

EE 4405 - Fundamentals of Solar Power and Renewable Energy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: EE 2301 Corequisite:

EE 4800 - Senior Project

2 Class Hours 6 Laboratory Hours 4 Credit Hours

Prerequisite: Any 4000-level Electrical Engineering course and Engineering Standing.

This course is designed to be the culmination of the undergraduate electrical engineering education. Under the guidance of the professor, students will form small design teams, choose a proposed or ongoing project and research and redesign the project. Working as independent teams with guidance from the lead professor the capstone projects will be completed and the results presented for review to a panel of faculty, students, and others such as staff and Industrial Advisory board members.

Engineering

ENGR 1100 - Survey of Engineering Applications from Mathematics

4 Class Hours 0 Laboratory Hours 4 Credit Hours

Prerequisite: MATH 1112 or MATH 1113

The objective of this course is to increase student retention, motivation, and success in engineering through an application-oriented introduction to engineering mathematics. This

This course is made of two distinct parts. The first part of the course is a study of stress and strain of deformable bodies in tension, compression, bending, and torsion. Topics covered include: axial stress and strain; thermal stress and strain; statically indeterminate systems; torsional stress and strain; bending stresses in beams; beam deflections; combined stresses; and

ENGR 3131 - Strength of Materials

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: (ENGR 2214 or MET 3121) and MATH 2202

The study and mathematical modeling of the mechanical behavior of materials under load.

Emphasis will be on the elastic conditions of equilibrium, compatibility and material behavior.

Includes study of stress and strain in columns, connectors, beams, eccentrically-loaded members, as well as introduction to statically indeterminate members.

ENGR 3132 - Strength of Materials Lab

0 Class Hours 3 Laboratory Hours 1 Credit Hours

Prerequisite: ENGR 3131 may be taken concurrently

The study and performance of laboratory testing and analysis techniques used in the determination of the mechanical behavior of materials under load.

ENGR 3250 - Project Management for Engineers

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ISYE 2600 and Engineering Status Concurrent:

ISYE 1000

This course is a comprehensive study of project concepts, such as project definitions, systems and methodologies, project cycles, roles and responsibilities of leaders and members, and

procedures used in industrial and production producti is plidj12 cm BT 2 50 nm 398.4cm BuTJ .0.24 0 0 0.

and plant components, safety elements and accident prevention systems. The economic

EDG 1211 - Engineering Graphics I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

An introduction to engineering graphics in mechanical engineering and manufacturing with an emphasis on using computer-aided design (CAD) to produce finished engineering drawings

EDG 4111 - Surface Modeling

3 Class Hours

emphasized. Assumptions considering safety, economics, quality and function are discussed. Not equivalent to ENGR 2214,

ENGT 3124 -

ENGL 1101 - Composition I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Registration in ENGL 0999 (Support for English Composition) co-requisite course, if Learning Support English is required.

Focuses on skills required for effective writing in a variety of contexts, with emphasis on

ENGL 2120 - British Literature

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course is a survey of important works of British literature.

ENGL 2121 - Early British Literature

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course is a survey of important works of British literature from the Old English period through the neoclassical age.

ENGL 2122 - British Literature late 1700s to Present

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course is a survey of important works of British literature from the Romantic era to the present.

ENGL 2130 - American Literature

3 Class Hours 0 Laboratory Hours

ENGL 2145 - Introduction to English Studies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One of the following courses: ENGL 2110 , ENGL 2111 , ENGL 2112 , ENGL 2120 , ENGL 2121 , ENGL 2122 , ENGL 2130 , ENGL 2131 , ENGL 2132 , or ENGL 2300

This course introduces students to the reading, writing, research, and critical strategies essential to KSU English Studies. The course draws connections among the four content areas in the English Department (Literature, Language, Writing, and Theory) and focuses on their relationship to broader social and personal contexts, enabling students to make informed choices about their program of study and their careers.

ENGL 2160 - American Literature Survey

3 Class Hours 0 Lab

ENGL 2271 -

implications of modern linguistic theory, which includes an examination of issues such as

ENGL 3241 - Technology and Digital Media in English/Language Arts

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 2271 and admission into the English Education program

This course provides students with experience in the ways that digital media and technology can be used meaningfully in the English/Language Arts classroom. Students consider, experiment with, and apply specific technologies in order to develop comfort with and control over these tools. The course prepares students to develop adolescents' literacy practices with technology in the English/Language Arts classroom.

ENGL 3310 - Principles of Writing Instruction

5 Class Hours 3 Laboratory Hours 6 Credit Hours

Prerequisite: ENGL 2271 and admission into the English Education or Secondary and Middle Grades Language Arts program

This course provides an exploration of theories of composition pedagogy and assessment, including a variety of strategies for teaching writing while dealing with institutional policies such as standardized testing. Students practice oral and written communication for various audiences and purposes; create, implement, and assess writing instruction in a middle school setting; and create and practice research-supported approaches to grammar instruction. The course includes a 45-hour embedded field experience in a middle school.

ENGL 3320 - Scriptural Literature

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One of the following courses: ENGL 2110 , ENGL 2111, ENGL 2112 , ENGL 2120 , ENGL 2121 , ENGL 2122 , ENGL 2130 , ENGL 2131 , ENGL 2132 , or ENGL 2300

This course is a study of authors, themes, genres, and composition of scriptural writings.

Notes: This course can be taken more than once provided the course content differs entirely from the previous offering.

ENGL 3322 - Hebrew Scriptures as Literature

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One of the following courses: ENGL 2110, ENGL 2111, ENGL 2112, ENGL 2120, ENGL 2121, ENGL 2122, ENGL 2130, ENGL 2131, ENGL 2132, or ENGL 2300.

This course is a study of the Hebrew Scriptures of the Bible, known to Christians as the Old Testament, as literature, concerning its aesthetic value with respect to authors, themes, genres, and composition within the context of its original Hebrew and Jewish audiences. Students improve and refine their abilities to read, think, write, and speak critically and cogently about

scriptural literature and have an increased familiarity with much of the Hebrew Bible.

Notes:

technology into the curriculum, identifies a variety of multicultural teaching texts, and extends the study of critical theory into the teaching of literature to adolescents.

ENGL 3396 - Cooperative Study

1-3 Credit Hours

Prerequisite: Approval of the coordinator of cooperative education/internships (Career Services).

A supervised work experience program for a minimum of two semesters at a site in business, industry or government. For sophomore, junior, or senior-level students who wish to obtain on-the-job experience in conjunction with their academic training.

ENGL 3398 - Internship

1-12 Credit Hours

Prerequisite: Approval of departmental internship adviser.

This course is a supervised, credit-earning work experience of one semester with a previously approved business firm, private agency, or government agency.

ENGL 3400 - Survey of African Literatures

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One of the following courses: ENGL 2110 , ENGL 2111 , ENGL 2112 , ENGL 2120 , ENGL 2121 , ENGL 2122 , ENGL 2130 , ENGL 2131 , ENGL 2132 , or ENGL 2300

This course is a survey of African literatures, including the orature, literature, performance texts, film and/or other media produced in each quadrant of Africa, from early times to the

course might focus on a single artist (such as Ralph Ellison), a group of artists (such as writers of the Harlem Renaissance), a genre (such as the slave narrative), a source or technique (such as folklore in twentieth century novels), or a theme or issue (such as depictions of women, the oral-musical tradition or humor and signifying).

Notes: This course can be taken more than once provided the course content differs entirely from the previous offering.

ENGL 3600 - Topics in African Diaspora Literatures

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One of the following courses: ENGL 2110 , ENGL 2111 , ENGL 2112 , ENGL 2120 , ENGL 2121 , ENGL 2122 , ENGL 2130 , ENGL 2131 , ENGL 2132 , or ENGL 2300

This course is a study of a selected topic in the areas of the African Diaspora. For example, the course might focus on a single author or group of authors: "The Novels of Paule Marshall"; a country or region: "Caribbean Literatures"; a movement or an event: "Post-Colonial Caribbean Literature".

ENGL 4240 - Rhetorical Theory

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One of the following courses: ENGL 2110 , ENGL 2111 , ENGL 2112 , ENGL 2120, ENGL 2121 , ENGL 2122 , ENGL 2130 , ENGL 2131 , ENGL 2132 , or ENGL 2300

This advanced course is a study of major texts in rhetorical theory from antiquity to the present, focusing on the significant issues in rhetoric, especially the relationship of language to truth and knowledge. Students gain practice in using rhetorical concepts to analyze both literary and non-literary texts and to produce

ENGL 4372 - British Renaissance Literature

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 2145

British literature from the late fifteenth century to 1660, generally exclusive of Shakespeare. May include poetry, prose, and drama and investigate aesthetic, intellectual, and social issues.

ENGL 4374 - Studies in Restoration and Eighteenth-Century Literature

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 2145

British literature from 1660 to the late eighteenth century. May include poetry, prose, and drama and investigate aesthetic, intellectual, and social issues.

ENGL 4380 - World Literature Before 1800

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 2145

A study of representative texts, major themes, or literary movements of the period, emphasizing aesthetic and social understanding. The course may examine Western and non-Western cultures.

Notes: This course can be taken more than once provided the course content differs entirely from the previous offering.

ENGL 4400 - Directed Study

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ENGL 4490 -

ENGL 4620 - Senior Seminar

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Completion of 90 hours, and permission of the department

The senior seminar is a summative academic experience that builds on previous coursework

ENTR 4003 - Venture Funding

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA requirement, ENTR 4001 ; Non-business Majors: ENTR 4001 and permission of the Coles College of Business

Students identify and examine different types of financing, differentiate between venture capital and angel investor funding, and locate alternative financing (such as crowd-funding, peer-to-peer lending, micro-loans, and SBA loans). Additionally, students learn how to determine the value of a new venture. The course explores sourcing and acquiring financial resources that are required in new venture start-

Environmental Science

ENVS 2202K - Introduction to Environmental Science

3 Class Hours 3 Laboratory Hours 4 Credit Hours

This course is an examination of contemporary environmental issues related to Earth's natural systems such as human population dynamics, natural resources, environmental quality, global changes, and environmental values in society. Students will learn how to apply scientific principles and data to gain an understanding of modern environmental challenges on local, regional, and global scales.

ENVS 3100K - Soil & Water Science

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in (CHEM 1211 and CHEM 1211L) and (CHEM 1212 and CHEM 1212L)

This course will provide an overview of soil and water science including study of the physical, chemical and biological properties of each and how these properties relate to soil health and water quality. Students will consider human activities that impact soil and water resources, learn how to assess those impacts and apply management approaches towards them. Laboratory exercises will involve the application of techniques for monitoring soil and water quality and methods for remediation.

ENVS 3150K - Environmental Toxicology

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in (BIOL 1108 and BIOL 1108L) and (CHEM 3361 and CHEM 3361L)

Environmental toxicology is the study of the nature, properties, effects and detection of toxic substances in the environment and environmentally exposed species, including humans. Students taking this course will learn to quantify environmental exposures using dose-response relationships, categorize the absorption of toxicants, calculate the distribution of storage toxicants, describe the biotransformation and elimination of toxicants, determine target organ toxicity, teratogenesis, mutagenesis, and carcinogenesis of various toxins and manage the risks associated with them.

ENVS 3350 -

to improve or enhance ongoing efforts or introduce new ones.

Notes: This course is cross-listed with BIOL 3720.

ENVS 3730 - Natural Resource Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in (BIOL 1107 and BIOL 1107L and BIOL 1108 and BIOL 1108L)

ENVS 4300 - Environmental Ethics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: STS 1101

This course is designed to extend the traditional boundaries of the ethical relationships between humans to the nonhuman world in the natural environment. Philosophical and social issues have surfaced in the twenty-first century emerging as environmental ethical dilemmas demanding resolution. Case studies and a variety of interdisciplinary literature pieces are incorporated which allow students to consider the impact of ethical dilemmas and evaluate their social influences.

ENVS 4399 - Environmental Science Seminar

1 Class Hours 0 Laboratory Hours 1 Credit Hours

This seminar will explore current topics in environmental science, regulation, and policy. Faculty and outside speakers from government and private industry will give presentations and lead discussions. Students will be expected to attend all lectures and participate.

European Studies

EUST 2050 -

and / or literary analysis; and / or community engagement exercises with the express purpose

ES 2500 - Principles of Nutrition

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Exercise Science or Sport Management major.

This course is designed to introduce students to the basic principle of nutrition as needed for general health. Topics include the role of diet in the development and prevention of chronic diseases, such as cardiovascular disease, cancer, diabetes, etc.; macro- and micro-nutrient needs for optimum health; U.S. dietary guidelines (and international equivalents); tools to assist with menu planning; and dietary analysis.

ES 3100 - Group Exercise Leadership

2 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: Exercise Science major, a grade of "C" or better in BIOL 2221 Concurrent: ES 2200

This course is designed to provide students with leadership skills and experience that directly apply to group exercise programming. Topics include current trends in group exercise, program design and implementation, monitoring exercise, evaluation of existing programs, and administrative considerations.

ES 3200 - Research Methodology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Exercise Science major, a grade of "C" or better in MATH 1107 , and 60+ credit hours.

This course provides an overview of the research process applied in the study of exercise and health science. Students are introduced to simple experimental design, data gathering techniques, statistical concepts and methods, and research writing.

ES 3398 - Internship in Exercise Science

1-3 Credit Hours

Prerequisite: Exercise Science major and approval of the department chair

This course offers students a supervised, credit-earning experience of one academic semester with a previously approved business firm, sport organization, private agency or governmental agency. Students must have current professional liability insurance and CPR/AED certification. Credit may be placed in the elective areas.

Notes: S/U grading only. Repeatable once.

ES 3600 - Health Fitness Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Exercise Science major, a grade of "C" or better in BIOL 2221 and ES 2200

This course provides an introduction to the professional standards and guidelines that assist a health and fitness facility with providing quality service and program offerings in a safe environment. Course content will include an overview of risk management and emergency policies, operating practices, facility design and construction, equipment concerns and signage issues related to health and fitness facilities.

ES 3700 - Strength and Conditioning

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Exercise Science major a grade of "C" or better in BIOL 2221 and ES 2300

Corequisite:

ES 3900 - Physiology of Exercise

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Exercise Science major, a grade of "C" or better in BIOL 2222

This course provides an overview of the human body's responses to the stress of physical exercise. Students are introduced to the metabolic, cardiovascular, pulmonary and neuromuscular adaptations to acute and chronic exercise.

ES 4000 - Service Learning in Exercise Science

1-3 Credit Hours

Prerequisite: 60+ semester hours, Exercise Science major and permission of the department chair.

This course offers students a community activity which links learning to life by connecting meaningful community service activities with academic learning, personal growth, and civic responsibility. The community activity is designed with the instructor and approved by the department chair.

ES 4200 - Nutrition and Performance

3 Class Hours 0 Laboratory Hours

permission of the department chair

This course covers topics and seminars of an advanced nature external to regular course offerings.

ES 4490 - Special Topics in Exercise Science

1-3 Credit Hours

Prerequisite:

The course is delivered in a seminar format to encourage student participation and interaction with peers and faculty.

ES 4950 - Exercise Science Senior Internship

3 to 12 Credit Hours

Prerequisite: Exercise Science major, a grade of "C" or better in ES 4500 and ES 4550 , 90+ credit hours, and approval of the department chair.

This course is a senior-level credit-earning experience at an approved exercise science internship site. During this course, students work under the direct supervision of an exercise science professional and university supervisor. Students must have current professional liability insurance and CPR/AED certification.

Notes: Credit for the course can be placed in the elective areas only.

Film

FILM 2290 - Special Topics

1-12 Class Hours

Prerequisite: Varies based on subject
Special topics selected in the study of Film.

FILM 3105 - Fundamentals of Writing for Film and Television

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One of the following courses: ENGL 2110 , ENGL 2111 , ENGL 2112 , ENGL 2120 , ENGL 2121 , ENGL 2122 , ENGL 2130 , ENGL 2131 , ENGL 2132 , or ENGL 2300

This is a professional seminar for anyone interested in learning about and/or breaking into the entertainment industry - specifically focusing on the business side of the industry.

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FILM 3200 - Film History and Theory I

3

stocks, financial analysis, working capital management, capital budgeting, and capital structure strategies.

FIN 3396 - Cooperative Study

1-3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement, FIN 3100 , and approval of the Coordinator of cooperative education/internships (KSU Career Services); Non-business Majors: Not available to non-business majors.

A supervised work experience program for a minimum of two academic semesters at a site in business, industry, or government. For sophomore, junior, or senior level students who wish to obtain successive on the job experience in conjunction with their academic training.

Notes: Co-op credit can be used only in the "Business Electives" area of the BBA.

FIN 3398 - Internship

1-12 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement, FIN 3100 , and approval of the Coordinator of cooperative education internships (KSU Career Services); Non-business Majors: Not available to non-business majors.

A supervised, credit-earning work experience of one academic semester with a previously approved business firm, private agency, or government agency. A research paper is required to receive credit. For junior or senior students who wish to participate in an on the job experience in which they may apply their academic education. The work experience may not be with a current employer. This course will be graded on an S/U basis.

Notes: Internship credit can be used only in the "Business Electives" area of the BBA.

FIN 4220 - Corporate Finance

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and FIN 3100 ; Non-business Majors: 60 credit hours including FIN 3100 and permission of the Coles College of Business. Application of the principles and concepts of finance to the acquisition and management of corporate assets and financial resources, the management of the firm's capital structure, and development of dividend policy.

FIN 4260 - Short Term Financial Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and FIN 3100 ; Non-business Majors: 60 credit hours including FIN 3100 and permission of the Coles College of Business.

FIN 4420

Introduction to a foreign language and culture, stressing progressive acquisition of effective communication skills in both the written and spoken language and an understanding of the practices and products of the culture being studied.

Notes: Not open to native speakers of the language.

FL 1002 - Introduction to Foreign Language and Culture II

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

Introduction to foreign language and culture, part II, stressing continued, progressive acquisition of effective communication skills in both the written and spoken language and an understanding of the practices and products of the culture being studied.

Notes: Not open to native speakers of the language.

FL 2001 - Intermediate Foreign Language and Culture I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite:

HEBR 1002 - Introduction to Hebrew Language and Culture II

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HEBR 1001 or permission of the instructor

Introduction to Hebrew Language and Culture II stresses continued, progressive acquisition of effective communication skills in both the written and spoken language and an understanding of the practices and products of Israeli culture. Not open to native speakers of Hebrew.

HEBR 2001 - Intermediate Hebrew Language and Culture I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HEBR 1002

Students continue to develop proficiency in listening, speaking, reading, and writing and learn to communicate in culturally appropriate ways. Not open to native speakers of Hebrew.

HEBR 2002 - Intermediate Hebrew Language and Culture II

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HEBR 2001

Students continue to increase linguistic and cultural proficiency through the use of a variety of materials and activities. Not open to native speakers of Hebrew.

HEBR 2050 - Introduction to Biblical Hebrew

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful completion of all Learning Support English requirements, if required.

This Biblical Hebrew course is designed to introduce students to the ancient language, learning the morphology (forms) and syntax (uses) of Hebrew adjectives, conjunctions, nouns, prepositions, and verbs. The course will lay a solid foundation for reading and analyzing Biblical texts. It is geared mainly towards students who need or want to be able to read, understand and analyze Biblical texts written in its original language - Hebrew

Foreign Language Education

FLED 4408 - Second Language Acquisition

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Admission to Teacher Education Program or ASIA 3001 or permission of instructor.

This course examines theories of second language acquisition (SLA) and their practical

application to second language teaching and learning. It addresses the theoretical foundations of working with second language learners. It focuses on the classroom applications of this theoretical base to interactions with language learners, curriculum, instruction, and assessment. Students interpret relevant SLA research that informs language teaching and takes ownership of SLA theories and research as a rationale for pedagogical decisions

FLED 4410 - Methods, Materials, and Curriculum of Foreign Language Education, P-8

3 Class Hours 1 Laboratory Hours 3 Credit Hours

Prerequisite: FLED 3303

This course is an overview of methods, materials and curriculum in foreign language instruction grades P-8. The field experience emphasizes principles of classroom and behavior management as well as ways to put theory into practice.

FLED 4412 - Methods, Materials, and Curriculum of Foreign Language Education, 9-12

3 Class Hours 1 Laboratory Hours 3 Credit Hours

Prerequisite: FLED 4408 and FLED 4410 Corequisite: FLED 4414

This course is an overview of methods, materials and curriculum in foreign language instruction grades 9-12. The field experience emphasizes principles of classroom and behavior management as well as ways to put theory into practice. Field experience is required. Proof of liability insurance is required for field experience.

FLED 4413 - Field Experiences in FLED, P-12

6 Class Hours 0 Laboratory Hours 6 Credit Hours

Prerequisite: FLED 3303 or FLED 4408 and either FLED 4410 or FLED 4412.

This course is a field experience course with multiple placements. Students are assigned two field placements from elementary and middle school levels. Students explore the relationship between theory and classroom practice in foreign language education through applied assignments in their placements. Students are required to participate in a minimum of three seminars during the semester.

FLED 4414 - Technology for Foreign Language Teaching

3 Class Hours 1 Laboratory Hours 3 Credit Hours

Prerequisite:

FLED 4651 - FLED Seminar I

1 Class Hours 0 Laboratory Hours 1 Credit Hours

Prerequisite: FLED 4408 , FLED 4410 , FLED 4412 ,FLED 4414 , Pre-Service Certificate, and Admission to Yearlong Clinical Experience. Corequisite: FLED 4650

This FLED Seminar I course corresponds to the FLED Yearlong Clinical Practice I course and is designed to support teaching candidates in successful completion of edTPA tasks and assessments, focusing as well on the ethics and practice of culturally-responsive foreign language pedagogy and instruction.

FLED 4660 - FLED Yearlong Clinical Experience II

0 Class Hours 24 Laboratory Hours 6 Credit Hours

Prerequisite: FLED 4650 , FLED 4651 , and eligibility to take GACE Corequisite: FLED 4661

This course is the second semester of an intensive and extensive co-teaching yearlong clinical experience in foreign language education. Under the guidance of a collaborating teacher and university supervisor and working in a diverse environment that includes students with exceptionalities and English learners, candidates practice professional competencies that impact student achievement. This experience includes regularly scheduled professional seminars and the completion of a content pedagogy assessment.

FLED 4661 - FLED Seminar II

2 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: FLED 4650 and FLED 4651 Corequisite: FLED 4660

This FLED Seminar II course corresponds to the FLED Yearlong Clinical Practice II course and is designed to support teaching candidates in successful completion of edTPA tasks and assessments, focusing as well on the ethics and practice of culturally-

FLED 4671 - FLED Internship Seminar I

1 Class Hours 0 Laboratory Hours 1 Credit Hours

Prerequisite: FLED 4410 , FLED 4412 , FLED 4408 , FLED 4414 , FL 4400 Corequisite: FLED 4670

This FLED Internship Seminar I course corresponds to the FLED Yearlong Clinical Internship I course and is designed to support teaching candidates in successful completion of edTPA tasks and assessments, focusing also on the ethics and practice of culturally-responsive foreign language pedagogy and instruction. This course provides candidates the opportunity to work under the guidance of the FLED instructor and engage in discussion of issues related to language teaching with the FLED ATP cohort.

FLED 4680 - FLED Yearlong Clinical Internship II

0 Class Hours 16 Laboratory Hours 4 Credit Hours

Prerequisite: FLED 4670 and FLED 4671 Corequisite: FLED 4681

This course is the second semester of an intensive and extensive supervised, credit-earning yearlong clinical work experience in Foreign Language education for students in the Alternative Teacher Preparation program.

FLED 4681 - FLED Internship Seminar II

2 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: FLED 4670 and FLED 4671 Corequisite: FLED 4680

This FLED Internship Seminar II course corresponds to the FLED Yearlong Clinical Internship II course and is designed to support teaching candidates in successful completion of edTPA tasks and assessments, focusing also on the ethics and practice of culturally-responsive foreign language pedagogy and instruction. This course provides candidates the opportunity to work under the guidance of the FLED instructor and engage in discussion of issues related to language teaching with the FLED ATP cohort.

French

FREN 1001 - Introduction to French Language and Culture I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Completion of all Learning Support English courses, if required.

This course is an introduction to French language and culture, stressing progressive acquisition of effective communication skills in both the written and spoken language and an understanding of the practices and products of French and Francophone cultures.

Notes: Not open to native speakers of French.

FREN 1002 -

FREN 3304 - Literature and Culture I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: FREN 3200 and FREN 3303

An introduction to French and Francophone literature and culture from the Middle Ages to 1820. Students examine literary and artistic movements as well as cultural issues of the period.

Notes: Readings and discussion in French.

FREN 3305 - Literature and Culture II

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: FREN 3200 and FREN 3303

An introduction to French and Francophone literature and culture from 1820 to the present. Students examine literary and artistic movements as well as cultural issues of the period.

Notes: Readings and discussion in French.

FREN 3390 - Upper-division Study Abroad in French

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Junior or Senior status and permission of the department chair.

This course fulfills the study abroad requirement for the B.A. in Modern Language & Culture with a primary language of French. The content of the course may vary depending on available course offerings in the foreign institution. The chair of the Department of Foreign Languages must preapprove the use of this course as partial fulfillment of the requirements for the degree in Modern Language & Culture.

FREN 3398 - Internship

1-9 Credit Hours

Prerequisite: FREN 3302 and FREN 3303 or permission of the instructor.

Supervised, credit-earning work experience of one semester requiring use of French in the work place.

Notes: Prior approval by department coordinator and internship supervisor is required. No more than three semester hours may be applied toward the major.

FREN 4400 - Directed Study

1-3 Credit Hours

Prerequisite: FREN 3302 and FREN 3303 or permission of the instructor.

Covers special topics and seminars external to course offerings that allow a student to work individually with an instructor.

Notes: Requires prior approval by instructor and department chair.

FREN 4402 - Contemporary Culture

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: FREN 3304 or FREN 3305

An examination of the historical, social, and political contexts of the contemporary French and

FREN 4456 -

GWST 2000 - Introduction to Gender and Women's Studies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course is a survey of the foundational figures, themes, and texts in the history of gender and women's studies in an interdisciplinary and global context. Themes to be addressed include sameness vs. difference feminisms; the sex/gender distinction; internal and external critiques of Western feminisms; transnational and global feminisms; feminism's relationship to critical race studies, postcolonialism, queer theory; and gender, trans-gender, and masculinity studies.

Notes: All sections include a required supervised civic and community engagement project.

GWST 2050 - Global Perspectives on Gender

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course offers global perspectives and contexts within which gender can be explored, analyzed, and critiqued. The course will be driven by cross-cultural and comparative study and may include analysis of the construction of gender in relation to social practices, the law, tradition, religion, institutional culture, economics, and popular culture.

Notes: This course may be repeated for credit with prior approval.

GWST 3001 - Feminist Theories

3 Class Hours 0 Laboratory Hours 3 Credit Hours

and significance of theories and practices that 1) refute and destabilize the notion of an essential, normative sexuality and gender and 2) suggest that sexuality is fluid and varied and is constructed by social, political, and economic factors. The course surveys a broad array of scholarship and other forms of print and non-print media and explores a range of topics that might broadly be identified as 1) practices, identities, and communities; 2) the cultural construction of gender and sexuality; 3) sexual citizenship and the nation-state.

GWST 3020 - Black Feminisms

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

A survey of historical and contemporary black feminist traditions. Core themes could include the intersections of race and gender with class, sexuality, generation, and place; black feminist thought and its relationship to womanism and other feminisms; outsider-

GWST 3070 - Gender and Social Justice

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course offers an interdisciplinary approach to the social and historical constitution of gender in a social justice framework. Students will explore a wide variety of critical and literary materials to analyze interlocking systems of hierarchy and domination; to evaluate gendered experience across local, regional, national, and global contexts; and to identify critical responses to systemic forms of oppression in the contemporary world.

GWST 3080 - Masculinity Studies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

Masculinities Studies is an interdisciplinary introduction to this growing and often contested field. Using a variety of texts, students explore historical, political, and theoretical development, as well as social and cultural constructions, of the category "masculinity." Students map central debates surrounding masculinity, including why it is frequently thought to be "in crisis." The course examines political and social movements related to masculinity as it considers masculinity in relation to other theories, including feminist, postcolonial, etc.

GWST 3090 -

research project, a required part of the internship. Students should consult with the internship coordinator at the midpoint of the semester prior to the internship to choose from an approved list of internship sites, none of which may be with a current employer

GWST 4000 - Research in Gender and Women's Studies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: GWST 2000 and completion of 60 credit hours.

A study of research models of scholarship in gender and women's studies, combined with an opportunity for students to conduct a research project of their own. Students will read examples of outstanding research and survey discipline-based scholarship focusing on gender and women's studies. Topics for studying methods could include debates regarding different methodologies, critiques of traditional research methodologies, integrating feminist theory with scholarship, and ethical questions associated with producing research in gender and women's studies.

Notes:

GWST 4499 -

geographic information systems in on-site work settings. Student experiences are applied in nature and are on campus or with selected private or public organizations in the community.

GEOG 3320 - Political Geography

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite:

Notes:

GEOG 3900 - Biogeography

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: GEOG 1112

This course examines the geographic distribution of plants and animals from historical, cultural, and ecological perspectives. Emphasis is on the local, regional, and global patterns and

GEOG 4410 - Introduction to Remote Sensing

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite:

Geology

GEOL 1121K - Introductory Geosciences I

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: MATH 1111 or MATH 1112 or MATH 1113

This course introduces students to the study of Earth, and processes which modify it over time. The course provides an overview of plate tectonics, describes relationships between rocks and structures, examines the role of water in landscape evolution, and places an emphasis on the

The student will continue to develop proficiency in listening, speaking, reading, and writing, and

must preapprove the use of this course as partial fulfillment of the requirements for the degree in Modern Language & Culture.

GRMN 3398 - Internship

1-9 Credit Hours

Prerequisite: GRMN 3302 or permission of the instructor.

Supervised, credit-

GRMN 4434 - Topics in Language, Literature, and Culture

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: GRMN 3

Motor skill acquisition, fundamental techniques and knowledge appropriate for the successful participation in a variety of cardiovascular fitness related activities and weight training principles.

HPE 1055 - Archery

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

This course introduces the motor skills, fundamental techniques, decision-making strategies, and knowledge necessary for successful participation in the sport of archery.

HPE 1060 - Beginning Badminton

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

This course introduces the motor skills, fundamental techniques and strategic knowledge necessary for successful participation in the sport of badminton.

HPE 1075 - Beginning Basketball

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

This course introduces the motor skills, fundamental techniques and strategic knowledge necessary for successful participation in the sport of basketball.

HPE 1076 - Intermediate Basketball

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

successful completion of Learning Support or concurrent registration, if required

Prerequisite: HPE 1075, or instructor permission

This course is designed to reinforce fundamental basketball skills and introduces advanced offensive and defensive tactics as well as strategies commonly employed in the sport of basketball.

HPE 1080 - Beginning Softball

HPE 1210 - Golf

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

Motor skill acquisition, fundamental techniques and knowledge appropriate for the successful participation in golf.

Notes: Additional fee required.

HPE 1220 - Beginning Cycling

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

This course provides an overview of bicycling as a fitness and recreational activity. Basic cycling techniques, safety, training, fitness principles, and equipment maintenance are among the major focal points of the course.

HPE 1230 - Martial Arts

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

Motor skill acquisition, fundamental techniques and knowledge appropriate for the successful participation in the development of martial arts and self defense skills.

Notes: Additional fee required.

HPE 1235 - Intermediate Martial Arts

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Prerequisite: HPE 1230

This course focuses on motor skill development, techniques, and knowledge appropriate for participation in advanced martial arts and self-defense.

HPE 1240 - Beginning Mountain Biking

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

HPE 1280 -

Prerequisite: HPE 1310 or permission of the instructor

Motor skill acquisition, fundamental techniques and knowledge appropriate for swimming and water safety. Successful completion of this course corresponds to standards for the American Red Cross Swimmer level.

HPE 1350 -

HPE 1435 - Intermediate Volleyball

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

This course is designed to reinforce fundamental volleyball skills and introduces advanced tactics, strategies and offensive/defensive systems.

HPE 1450 - Scuba Diving

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

Prerequisite: HPE 1310 or permission of the instructor

This course is designed to develop fundamental concepts, principles, and techniques of sport SCUBA diving. Course covers selection and maintenance of gear, snorkeling skills, physiology of diving, use of dive tables, diving environment, and an emphasis on safe diving practices. PADI open water certification available but not required to fulfill HPE credit.

Notes: Additional fee and mask, fins, and snorkel required.

HPE 1470 - Self Defense

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

This course develops self defense tactics and the knowledge of personal safety. Topics may include but are not limited to hand and leg strikes, various escapes and releases, safety in the car and home, sexual harassment, date rape, self defense and the law, and sexual abuse of children.

HPE 1480 - Beginning Yoga

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

This course addresses basic principles, philosophies, and practices of yoga. The class will include basic anatomy principles, terminology, strength, flexibility, and balance activities to develop an individualized yoga program.

HPE 1485 - Intermediate Yoga

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

Prerequisite: HPE 1480 or instructor approval

This course addresses intermediate and advanced asanas, philosophies, and practices of yoga.

HPE 1510 - Fitness Swimming

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

Prerequisite: HPE 1310 or permission of the instructor

This course provides opportunities for students with good swim skills to increase their fitness level via the medium of water. Workouts will be comprised of drills designed to increase stroke efficiency as they improve aerobic capacity, body composition, and muscular endurance. This is a vital opportunity for those students with physical limitations that prohibit typical land based exercise.

HPE 1520 - Beginning Ice Skating

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

This course introduces the motor skills, fundamental techniques and knowledge appropriate for the successful participation in the sport of ice skating.

HPE 1525 - Intermediate Figure Skating

1 Class Hours 0 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

Prerequisite: HPE 1520 or instructor approval

This course focuses upon motor skill development, techniques, and knowledge for more advanced level figure skating skills as turns, spins, and jumps

HPE 1530 - Water Aerobics

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

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HPE 1540 - Indoor Soccer/Futsal

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

HPE 1590 - Beginning Lacrosse

1 Class Hours 1 Laboratory Hours 1 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

This course introduces the motor skills, fundamental techniques, decision-making strategies, and knowled

and water outdoor recreational and educational activities without disturbance to the

needed to develop and facilitate experiential programs including team-building initiatives, problem-solving activities, and Challenge course elements.

HPE 2000 - Contemporary and Historical Perspectives of Health and Physical Education

3 Class Hours 0 Laboratory Hours 3 Credit Hours

An overview of contemporary and historical perspectives of health and physical education.

Emphasis is on providing discussion of career options, major programs of study and professional opportunities in the areas of health and physical education as well as a survey and study of the historical and phil

HPE 2290 - Special Topics

1-3 Class Hours 1-3 Credit Hours

This lower-division special topics course focuses on selected physical activity topics not regularly offered through the Department of HPE.

HPE 2300 - First Aid/CPR Instructor Training

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Current American Red Cross Community First Aid and Safety (C.F.A.S.) Certification.

Theory, practice, and application for safety, injury prevention, and care to include the American Red Cross Community First Aid and Safety (CFAS). Teaching methodologies are also needed to prepare professionals to teach CFAS to the layperson. Topics may include but are not limited to: personal, school, home, recreation, traffic, work site, and disaster safety.

HPE 3050 - Coaching Principles

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Basic understanding of the theoretical and practical applications of the sport science areas of physical education related to coaching. Current issues and topics addressing the principles and problems of the prospective interscholastic coach including coaching philosophy, pedagogy, sport psychology, sport medicine and sport physiology. Students successfully completing the course may become certified as a Leader Level Coach by the American Coaches Effectiveness Program.

HPE 3055 - Advanced Coaching Methods for Basketball

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HPE 3050

In this course students will examine the theories and techniques of coaching basketball. The course content may include, but is not limited to, key coaching topics such as: teaching and evaluating technical and tactical skills, player selection for various positions, practice and season planning, offensive and defensive systems of play, game coaching considerations, and conditioning principles.

HPE 3095 - Advanced Coaching Methods for Volleyball

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HPE 3050

In this course students will examine the theories and techniques of coaching both indoor and sand volleyball. The course content may include, but is not limited to, various key coaching topics such as: teaching and evaluating technical and tactical skills, player selection for various positions, practice and season planning, offensive and defensive systems of play, game coaching considerations, and conditioning principles.

HPE 3100 - Behavioral and Psychological Aspects of Physical Education and Coaching

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course is an examination of behavioral and psychological factors affecting performance in physical education, physical activity, and sports. Emphasis on the impact on performance and the teaching/learning process. Topics will include leadership, motivation, group cohesion, social facilitation, arousal/anxiety, cognitive processes, competition, cooperation, and performance enhancement.

HPE 3200 - Motor Learning and Development

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course addresses current theories and principles of motor learning and motor development. Topics include individual differences in motor abilities, information processing, development, and learning.

This course examines the physical, psychological, and social health factors related to personal wellness and contemporary health issues.

HPE 3395 - Coaching Practicum

1 Class Hours 6 Laboratory Hours 3 Credit Hours

Prerequisite: HPE 3050

A senior-level coaching experience designed for candidates in the Coaching minor program of study. Candidates will be assigned as intern (assistant) coaches who will work under the supervision of experienced head or senior coaches at the collegiate, school (only if enrolled in the HPE curriculum), or recreation program levels. This is a field based practicum that will provide candidates with practical experiences in planning and implementing competitive athletic programs.

HPE 3398 - Advanced Internship

1-12 Class Hours 1-12 Credit Hours

Prerequisite: Permission of the department chair.

A supervised, credit-earning experience of one academic semester with a previously approved business firm, sport organization, or government agency. 0.2 credit hours.

measures to analyze assessment data to inform instructional decision making, communicate learner progress and reflect on teaching effectiveness.

HPE 4340 - Applied Kinesiology

HPE 4650 - Yearlong Clinical Experience I

0

This upper-

HIST 1111 - Pre-Modern World History

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful completion of English and Mathematics Learning Support, if required.

This course is a survey of world history to early modern times. The course examines the political, economic, social, and cultural history of the world with a focus on connections and interactions.

HIST 1112 - Modern World History

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful completion of English Learning Support, if required. Successful completion of Mathematics Learning Support or concurrent registration, if required.

This course is a survey of world history from early modern times to the present. The course examines themes, events, trends, institutions, and ideas with a focus on global connections and interactions.

HIST 2111 - United States History to 1877

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful

HIST 2206 - Origins of Great Traditions

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 1111 or HIST 1112

A systematic examination of five centers of civilization in Afro-Eurasia during their defining moments. The course focuses on the historical contexts that gave rise to China's classical philosophies, India's transcendental world-view, the Judaeo-Christian-Islamic synthesis, African mythoreligious systems of thought, and Latin-European culture in the West. Content emphasizes cross-cultural influences and connections.

HIST 2270 - Introduction to Themes In History

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 1110, HIST 2111, and HIST 2112.

The content of the course will focus on a particular historical theme, topic, or period. The theme or period will vary from section to section of the course. This reading-, writing-, and exercise-intensive course surveys basic methods and concepts relevant to the discipline of history. Students will regularly engage in the close reading of scholarly historical work, learn and practice a variety of research methods, analyze historical sources, and develop analytical papers.

HIST 3100 - Historical Methods

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: (HIST 1111 or HIST 1112) and (HIST 2111 or HIST 2112) and ENGL 1102

Corequisite: None

This course introduces students to historical inquiry as a conversation about the past. It surveys methods, concepts, and frameworks relevant to the discipline. Students engage in the close reading of scholarly historical work, learn and practice a variety of research methods, and analyze historical sources. Students cultivate good scholarly practices and habits of mind that

The South's social, political, and economic development from 1865. Emphasizes Reconstruction, the "New South Creed," race relations, industrialization, and the region's changing role in national affairs.

HIST 3315 - The History of the American West

3 Class Hours 0 Laboratory Hours 3

preservation. Students are also introduced to the "tools" of preservation, including tax incentives, historic inventories, HABS/HAER, the National Register of Historic Places, and the National Trust's Teaching with Historic Places.

HIST 3327 --

HIST 3333 - African American History to 1865

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 1100 and HIST 2112

A history of the people of African descent in the United States, from the African beginnings to 1865. The course will emphasize the forced migration of Africans, their experiences under plantation slavery, their resistance and emancipation, and their contributions to American society.

HIST 3334 - The Africans in the Diaspora

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 1111 or HIST 1112

A survey of the activities and experiences of African people who live outside the continent

HIST 3340 - U.S. Military Experience

3

HIST 3350 - England to 1688

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 1111 or HIST 1112

A survey of English history from the earliest time to 1688. The course emphasizes political, cultural, and social developments between the Norman conquest and the transformation of England into a constitutional monarchy by the Glorious Revolution.

HIST 3351 - Modern England

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 1111 or HIST 1112

English history from 1689. The course emphasizes the rise of parliamentary government, the importance of the British Empire, and the social, cultural, and economic ideas that have made

HIST 3358 - Africans in Latin America and the Caribbean

3 Class Hours 0

HIST 3367 -

HIST 3374 -

This course examines technology as a factor in historical change, emphasizing the role of tools, machines, and systems in revolutions, culture, politics, and economics. Students engage historiographical debates and readings on the role of technology in the recent and distant past. More broadly, students develop a critical understanding of the role of humanistic inquiry in technological knowledge through biographies, case studies, and primary source documents.

HIST 3379 - Central Asia in World History

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 1111 or

HIST 3390 - History of the Atlantic World

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 1111 or HIST 1112

This course exposes students to the momentous socioeconomic transformations that occurred in the Atlantic basin in the wake of Christopher Columbus's voyage of 1492. The changes were engendered by the convergence of diverse cultural groups and the complex social and economic networks that they established in the Atlantic basin. Students examine the complex interconnections, the consequences, and the resultant new social and economic institutions which significantly informed our contemporary world.

HIST 3391 - History of West Africa

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 1111 or HIST 1112

A history of West Africa from the earliest times to the present. The course emphasizes cultural continuities and changes, trade and cultural ties with North Africa, and contemporary challenges of economic development and nation building in the region. It examines important themes like village, urban, and community life; the formation of mini and mega states such as Ghan 0.2 (ry A72 cm BT 50 0 0 50 0 0 Tm /TT2 1 nch5((mo) 0.2 (0.24 72 0.24 72 421.68cm BT 50 0 0i) 9

HIST 4411 - The American Revolution

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 2111 or HIST 2112

Examines the American Revolution from the start of the colonists' disputes with Britain through the ratification of the Constitution. Issues covered include the development of tensions between Britain and the colonies during the Seven Years' War and decade-long dispute over taxation, the decision to declare independence and the Revolutionary War, the postwar Confederation government, and the creation of the Constitution. The roles of women, Native Americans, African Americans, and loyalists are also examined.

HIST 4412 - The Early Republic

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 2111 or HIST 2112

This course will explore the history of the United States from 1787-1824. Topics and issues covered will include the creation of the Constitution, the formation of the first party system, the growth and development of the federal government, the young republic's foreign policy, the War of 1812, the Market Revolution, the Era of Good Feelings, and the development of a uniquely American culture. Social, economic, political, and military aspects of the American experience will be addressed.

HIST 4415 - Jacksonian America

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 2111 or HIST 2112

This course will explore the history of the United States from 1815-1848. Topics and issues covered will include the War of 1812, the Market Revolution, the Era of Good Feelings, the rise of Andrew Jackson, Indian Removal, the formation of the second party system, the rise of the reformist impulse, sectional disruptions caused by territorial expansion and slavery, the annexation of Texas, the Mexican War, and the continued development of a uniquely American culture. Social, economic, political, and military aspects of the American experience will be studied.

HIST 4424 - Museum Education

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 2112 and HIST 3100

This course exposes students to both the theory and practice of education in museums, historic sites, and other public history and cultural institutions. An emphasis is placed on the way that museum educators combine theory with practice when implementing educational

HIST 4435 - History and Memory

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 2111 or HIST 2112

This seminar experience examines the literature of public history and memory. Through readings and discussion the class will examine what we know about the past and how we know it, the changing interpretation of historical events over time, the shape and influence of historical memory, the politics of historical interpretation, and the public presentation of history.

HIST 4440 - Medieval Europe

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 1111 or HIST 1112

A survey of the origins of European culture. Focuses on the period between the fourth and the fourteenth centuries, during which time Europe achieved its own form of cultural unity distinct from that of its Mediterranean neighbors.

HIST 4442 - History of Religious Tolerance

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 1111 or HIST 1112

This course traces the origins of the concept of tolerance of the religious "other," with a focus of content on medieval and Early Modern Europe. Besides the historical exploration of the topic and an examination of the emergence and development of the idea of religious toleration against a background of persecution and wars of religion, students also examine and discuss philosophical and practical aspects of religious tolerance today.

HIST 4444 - Renaissance and Reformation Europe

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 1111 or HIST 1112

A survey of the changing patterns of thought that radically alt

HIST 4445 - Age of Enlightenment

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 1111 or HIST 1112

HIST 4455 - Twentieth Century Russia

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HIST 1111 or HIST 1112

A study of Russia in the 20th century that examines in detail the birth, life, international influence, death, and aftermath of the Soviet Union and relates these events to R

HIST 4488 -

HON 3002 - Honors Research

0-3 Credit Hours

Prerequisite: Admission to the Undergraduate Honors Program

This course enables Honors students to earn course credit and gain hands-on experience by assisting a professor with his or her research. Students work one-on-one within their major field or within a closely related field doing primary and/or secondary research for a research project conducted by the instructor. Both the student and the instructor are expected to

HS 2400 -

HS 3200 - Social Welfare Policy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

HS 3800 - Social Entrepreneurship and Social Enterprise

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite:

HS 4100 - Grant Writing and Fundraising

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HS 2200 and Minimum 2.8 Institutional GPA or accepted into the NLA Certificate Program

Students examine revenue streams and fund development, including grant-writing, and special events. Basic financial management in the nonprofit sector is also discussed. This course is appropriate for students working in all areas of Human Services as well as other majors who plan to work with nonprofits or governmental agencies.

Notes: This course is a required course for students seeking Nonprofit Leadership Alliance Certification.

HS 4200 - Human Resources for Nonprofit Organizations

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HS 3300 , HS 3400 , HS 3500

HS 4430 - Forensic Social Work

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HS 3300 or permission of the department.

This course provides an overview of the interplay between human service professionals and the court systems. It will also focus on forensic social work practice and theory. Additionally, it illustrates skills for working with diverse populations across the lifespan and across diverse settings, such as community, medical, school, child welfare, mental health and addictions, and juvenile and criminal justice settings.

HS 4490 - Special Topics in Human Services

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Approval of the instructor and department chair.

This course provides selected topics of interest to faculty and students.

HS 4500 - Working with Families

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: HS 3300 , HS 3400 , HS 3500 , HS Majors only, Minimum 2.8 Institutional GPA

This course provides students an overview of the basic theoretical models used for family

Inclusive Education

INED 3304 - Education of Exceptional Students

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Admission to the Teacher Education program.

Prepares candidates to work collaboratively with families and school personnel to have a positive impact on the educational, social and behavioral development of all students, including those with a full range of disabilities, in a diverse society. The course focuses on knowledge of legislative mandates for serving exceptional students, characteristics of exceptionality, best practice in facilitating teaching and learning, and accountability through assessment of outcomes. This course requires an observational experience in an assigned school placement. Verification of professional liability insurance is required prior to placement in the field experience. Fulfills Georgia HB 671 requirement.

INED 3305 - Education of Students with Exceptionalities in an Inclusive Setting I

2 Class Hours 0 Laboratory Hours 2 Credit Hours

This course prepares candidates to work collaboratively with families, school personnel to have a positive impact on the educational, social and behavioral development of students, including those with a full range of exceptionalities, in a diverse society. It focuses on knowledge of legislative mandates for serving exceptional students and the characteristics of

A community activity which links learning to life by connecting meaningful community service activities with academic learning, personal growth, and civic responsibility. Activity will be designed with the instructor and approved by the chair/program coordinator.

INED 4430 - Applied Linguistics and English Language Literacy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: EDUC 2120 and EDRD 3320

INED 4435 - Foundations of Teaching Adolescent English Learners

1 Class Hours 0 Laboratory Hours 1 Credit Hours

Corequisite: Yearlong Clinical Experience I or department approval

In this course, middle and/or secondary preservice content teachers are introduced to today's student immigrant population, education policies that impact urban youth, first and second language acquisition, linguistic elements, and linguistically responsive pedagogy. In addition, candidates will begin to develop an understanding of these concepts as they relate to meeting the academic needs of English learners and recognizing the cultural resources that they bring to the content classroom in relation to the larger sociopolitical context.

INED 4436 - Foundations of Teaching Adolescent English Learners II

2 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: INED 4435 Corequisite: ECE 4460

This course focuses on developing effective instruction, assessment, and literacy development for English learners and other linguistically diverse learners in middle GRADE classrooms. Specifically, candidates will a) examine the academic, linguistic and social needs of linguistically diverse learners, b) explore the differences between teaching reading and writing to English learners and native English speakers; and c) develop skills necessary for the differentiation, scaffolding

IET 3320 - Advanced Logistics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: IET 2449 or SYE 3710

This course will expand on the topics covered leading students to a deeper understanding of logistics and supply chain systems. Special emphasis will be given to current trends in the field such as global logistics, reverse logistics, nontraditional supply chains and risk assessment/disaster recovery. Each student will also research in more depth a single topic that interest them

IET 3322 - Work Measurement and Ergonomics

2 Class Hours 4 Laboratory Hours 4 Credit Hours

This course will focus on work design and ergonomics in manufacturing. Topics will include work methods and production processes to improve operator effectiveness and reduce production costs. Techniques studied include operation analysis, motion study, work sampling, time study, line balancing and ergonomic applications.

IET 3339 - Statistical Quality Control

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: IET 2227 or MATH.2(,) - 2449

IET 3433 - Product and Process Costing

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ACCT 2100

This course explores cost measurement related to manufacturing and non-manufacturing sectors through cost measurement and control in job order, process, standard and variable costing systems. Content includes the recording and control of material, labor and overhead costs, absorption and direct costing, budgeting, and cost volume profit and analysis.

IET 3511 - Sustainability Engineering

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Students will apply engineering skills to address ethical, ecological, economic, and social environmental issues. Students will explore the effects of human population on energy use, the quality of air and water, and the use of global resources for sustainability.

IET 3620 - Warehousing Systems

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course explores various methods and systems dealing with warehousing systems including such areas as management systems, operations, storage and handling strategies, work flow, automation, transportation modes and performance benchmarking.

IET 4115 - Human Resources Management for Engineers

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Senior Level Standing.

This course is a comprehensive study of human resource management used in industry today. Topics covered are organizational structures, labor relations, supervising professionals, legal issues, team-based environments, performance appraisal, leadership, wage and salary and employee benefits.

IET 4135 - IET Project Management and 4 0 0 Tm / 50 0 0 Tm / TT1 1 Tf () Tj ET Q te

procedures used in industrial and production environments. Topics include scheduling, controlling projects, time-cost tradeoff, resource allocation and project cost control.

IET 4151 - Operations Management for Engineers

3 Class Hours 0

ISA 3100 - Principles of Information Security

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement; Non-business Majors: Permission of the Coles College of Business.

An introduction to the various technical and administrative aspects of Information Security and Assurance. This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features.

ISA 3200 - Network Security

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and a grade of "C" or better in ISA 3100 ; Non-business Majors: A grade of "C" or better in ISA 3100 and permission of the Coles College of Business.

This course provides a detailed examination of tools, techniques, and technologies used in the protection of information assets. This course is designed to provide a solid foundation in data communications and networking fundamentals and the security of networks and networking technologies.

ISA 3210 - Client Systems Security

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement; Non-business Majors: Permission of the Coles College of Business.

This course is an exploration of client computer system security and vulnerabilities, including client computer architectures, and operating systems. It provides the detailed technical coverage necessary to protect computer information system clients by presenting the knowledge of client platform computer hardware components, client network devices and interfaces, as well as the structure and usage of common client operating system software from an information security perspective. Additional learning regarding ongoing maintenance and operational issues of client computing systems will also be included.

focusing on some aspect of information security and assurance. For sophomore-, junior-, or senior-level students who wish to obtain on-the-job training experience in Information Security and Assurance, in conjunction with their academic training. Students can earn between one and six credit hours toward their degree programs subject to the programs' restrictions. Contact the department office for additional information on the requirements and restrictions for the internship.

Notes: Internship credit can be used only in the "Business Electives" area of the BBA.

ISA 3710 - International Issues in Information Security and Assurance

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement ; Non-business Majors: Completion of 60 semester hours and permission of the Coles College of Business.

This course explores emerging international issues in information security and assurance. It provides content about the interaction between the organization, society, and public agencies across national boundaries. It examines the role of people versus technical security as currently debated by contemporary organizations from multiple cultures and nations. Each semester, the specifics of this course will be developed to leverage the current international information

coverage necessary to protect computer information system servers by presenting the knowledge of server platform computer hardware components, server network devices and interfaces, as well as the structure and usage of common server operating system software from an information security perspective. Additional learning regarding ongoing maintenance and operational issues of server computing systems will also be included.

ISA 4330 - Incident Response and Contingency Planning

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and a grade of "C" or better in ISA 3300 ; Non-business Majors: A grade of "C" or better in ISA 3300 and permission of the Coles College of Business.

An examination of the detailed aspects of incident response and contingency planning consisting of incident response planning, disaster recovery planning, and business continuity planning.

ISA 4490 -

associated with the protection of communication resources, intrusion detection systems, firewalls, and use of various tools for system and network protection.

ISA 4820 - Information Security and Assurance Programs and Strategies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and a grade of "C" or better in ISA 4330 ; Non-business Majors: A grade of "C" or better in ISA 4330 and permission of the Coles College of Business.

The course integrates learning from all managerial ISA courses and encourages the student to develop skills in synthesis and communication (both written and oral) as well as teaching new material about the role of the CISO and the strategic and tactical planning and operation of the information security department in a variety of organizations. A research paper will be prepared and presented in the course. Outside speakers will supplement the course and

IS 3040 - IT Infrastructure

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement; Non-business Majors: IS 2200 and permission of the Coles College of Business.

This course provides foundation skills on information technology infrastructure. Topics include hardware; software; communications including LAN, WAN, and wireless network; transaction support; facilities for business continuity and security; infrastructure management best practices; service level agreements; and risk management including compliance, sourcing, disaster planning, auditing, controls, and standards.

IS 3060 - Systems Analysis and Design

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement, IS 3020 , and ISA 3100; Non-business Majors: IS 3020, IS 3100, and permission of the Coles College of Business.

An introduction to the basic concepts underlying systems analysis and design, and the application of those techniques in the development of business information systems. The student will learn how to develop information systems based on user requirements and specifications. The course will expose the students to UML and other graphic modeling processes.

IS 3080 - Information Resource Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement, IS 3020 and IS 3100 ; Non-business Majors: IS 3020, IS 3100, and permission of the Coles College of Business.

Information Resource Management (IRM) constantly strives to improve its commitment to incorporate new technologies to advance the organization. The focus of this course is on management of information systems resources, technologies and people. Covers strategic planning of information resources investments, operations, and support; management of human, technological, and financial resources; management of end-user computing; IS functional organization and the CIO; and organizing information resources for efficient and effective services.

IS 3100 - Information Systems Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement; Non-business Majors: IS 2200 and permission of the Coles College of Business.

Illustrates how to effectively use, manage, and participate in the development of information

technology applications that support common business processes. Focuses on the interdependence among an organization's management, business processes, and information systems. Provides hands-on experience in developing a business information system.

IS 3220 - Global IS Project Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and IS 2200 ; Non-business Majors: IS 2200 and permission of the Coles College of Business.

In this course, students will be exposed to the basic principles of Global Project Management, effective teamwork and collaboration. It will prepare students to understand key issues in global project management such as project initiation, planning, scheduling, budgeting, risk analysis, quality management and communicating and collaborating across political and cultural boundaries. Tools such as Microsoft Project will be used to develop and track Information Systems projects.

IS 3260 - Web Development I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement; Non-business Majors: IS 2200 and permission of the Coles College of Business.

This course presents introductions to many of the basic concepts, issues and techniques related to designing, developing and deploying Web sites. During the course, students will learn about Web design, HTML, basic scripting, Dynamic HTML, and Cascading Style Sheets (CSS). Students will learn how to create sites both manually and through the use of Web site development software tool such as a text editor, Dreamweaver, and Adobe Photoshop.

IS 3280 - Data Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement; Non-business Majors: IS 2200 and permission of the Coles College of Business.

This course introduces the student to the properties, logic, design, implementation, and access to business databases. Particular emphasis is placed on the relational approach to database management and processing, which focuses more on the logical nature of a database than its

IS 3396 -

IS 3720 - Advanced IT Project Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and IS 3220 ; Non-business Majors: IS 3220 and permission of the Coles College of Business.

This course will explore advanced concepts related to IT Project Management (PM) including project selection and integration of the knowledge areas of PMBOK. Topics necessary for excellence such as PM methodologies and program management will be emphasized. We will elaborate on case studies of companies that manage global IT portfolios and have benchmarked best practices. Students will work in groups on exercises using automated project management tools for scheduling, budgeting, and resource allocation.

IS 3740 - Human Computer Interaction

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement, IS 3020 , and IS 3260 ; Non-business Majors: IS 3020, IS 3260, and permission of the Coles College of Business.

A comprehensive introduction to the principles and techniques that impact human interaction with computers. Topics include the foundations of human-computer interaction, building a graphical user interface, human-centered software evaluation, human-centered software development, graphical user-interface design, graphical user-interface programming, HCI aspects of multimedia, and HCI aspects of collaboration and communication. Major research and the

IS 3920 - Application Development II

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite:

prior to registration.

Selected special or current topics of interest to faculty and students.

IS 4540 - Data Mining

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and IS 3100 ; Non-business Majors: Math 1107 (or equivalent) and permission of the Coles College of Business

Data Mining is the process of extracting useful information from data sets. It involves exploring and analyzing data sets to discover meaningful and valuable information. This course covers major data mining techniques including but not limited to data visualization, association analysis, classification, clustering, trend analysis, prediction, neural networks, text and web mining, and their applications in business. Various data analysis and data mining tools will be used to create analytical applications and achieve data mining goals.

IS 4560 - e-Business Systems

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and IS 3260 ; Non-business Majors: IS 3260 and permission of the Coles College of Business.

Information systems that enable electronic transactions and communication have redefined the ways that firms compete, inte

IS 4880 - IS Capstone Course

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement, IS 3060 , IS 3220 , and IS 3260 ; Non-business Majors: IS 3060, IS 3220, IS 3260, and permission of the Coles College of Business.

This course is one of the capstone courses in the IS curriculum. In this course the students will apply the concepts learned in earlier courses to develop Information Systems projects. Tools such as VB.Net/ASP.NET will be used to develop the project and Microsoft Project will be used to develop and track project schedule.

Information Technology

IT 1113 - Programming Principles

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MATH 1113 or Concurrent

This course covers the fundamentals of computer programming and the use of a computer for performing calculations and using data files. Concepts of counters, accumulators, decision-making, looping, subroutines, arrays, files and string processing are covered. A programming language such as Visual Basic is used for laboratory assignments.

IT 1324 - Advanced Programming Principles

3 Class Hours 2 Laboratory Hours 4 Credit Hours

Prerequisite: CSE 1301 or CS 1301

This course introduces contemporary programming concepts of object-oriented data structure and abstractions, object-oriented data access techniques such as searching, sorting, and iterations. Problem solving in object-orientation is emphasized.

IT 3123 - Hardware and Soan32rsS Ps 0 0.2 24 0 0 0.24 278.5137 463.44cm 336.700 0 50

IT 3203 - Introduction to Web Development

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: IT 1324

This introduction course covers applications for the world wide web. Topics include current languages (such as HTML and JavaScript), basic web protocols, and human-computer interfaces for the web.

IT 3223 - Software Acquisition and Project Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CSE 1301 or CS 1301 or IT 1113 or CSE 1311

The course provides a high level introduction to two areas that are crucial to the IT profession, namely project management and software acquisition. It introduces students to the phases both in the project management and software acquisition and implementation process. Since requirements are crucial to both activities, the course will provide students with an in-depth introduction to requirements engineering. The course will also introduce students to a widely used project management information system.

IT 3423 -

IT 3883 - Advanced Application Development

2 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: CSE 1302 or IT 1324

This course will allow the student to learn a second programming language and application development. Topics include review of language fundamentals, features of the programming language and development environment, and software development processes. This course will include course projects for hands-on experience with processes and tools.

IT 4123 - Electronic Commerce

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: IT 3203 and CSE 3153

This course will examine the aspects of electronic commerce. Topics include internet development, EDS, security, network connectivity and privacy. Basic business practices using electronic commerce will also be covered.

IT 4153 - Advanced Database

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CSE 3153

This course will study how databases are used with programming applications. Topics include advanced PL/SQL (or similar database programming language), database transaction, database security, database maintenance, and distributed and web databases.

IT 4203 - Advanced Web Development

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: IT 3203

This course covers more advanced topics on web site design and development including server pages, programming, database integration, and web server systems and security administration.

IT 4213 - Mobile Web Development

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: IT 3203 or CSE 3203

This course introduces the concepts, practices, and technologies to design, develop, and manage cross-platform web sites and applications running on modern mobile devices.

IT 4323 -

This course explores the design, implementation and use of virtualization, including desktop and server aspects such as deployment, clustering, storage and security. A high level overview of the various certifications available will be discussed. A project will be completed as part of the course.

IT 4683 - Management of Information Technology and Human Computer Interaction

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CSE 3153

This course provides a study of the information needs in a formal organization and the information systems required to meet those needs within the planning, control, operating and decision-making processes. User acceptance of IT applications that crucially depend on the HCI component will be covered.

IT 4713 - Business Intelligence Systems

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: CSE 3153

This course introduces the concepts, practices, technologies and systems of business intelligence, which supports enterprise level data management, analytical processing, and reporting.

IT 4723 - IT Policy & Law

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: IT 3223 and IT 3123

This course covers current issues in IT including the law, ethics and social values. Topics include copyright, patents, trademarks, trade secrets, computer ethics, computer crime, computer abuse, cultural impact, web issues, information warfare and current legislation.

IT 4823 -

IT 4833 - Wireless Security

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: IT 4823 or CS 3502

This course covers methods and techniques to secure wireless networks against threats and attacks. The topics include Security and Cryptography, Network Security Protocols, Security and Layered Architecture, Voice-Oriented Wireless Networks, Data-Oriented Wireless Networks, Security in Traditional Wireless Networks, Security in Wireless LAN, Security in Wireless Ad Hoc Network, Special Topic: Mobile Security.

IT 4843 - Ethical Hacking for Effective Defense

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: IT 4323 or ECET 3400 or CS 4622

This course focuses on detection of network and system vulnerabilities by taking an attacker-like approach to system, network, and data access. Topics include network attacks and defenses, Operating System and application vulnerabilities, social engineering attacks, and malware. Ethical, legal implications of network attacks are also discussed.

IT 4853 - Computer Forensics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: IT 4823 or CS 3502

This course studies techniques and tools in computing investigation, digital evidence collection, recovery, and analysis. Topics include: Legal issues relating to digital evidence, recover deleted files and discover hidden information, reconstruct user activity from e-mail, temporary Internet files and cached data, assess the integrity of system memory and process architecture to reveal malicious code.

IT 4883 - Infrastructure Defense

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: IT 4323

This course provides an overview of the infrastructure assessment and penetration testing process and the processes and techniques for improving the defensibility of that infrastructure.

IT 4893 - Internet of Things: Applications and Security

2 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: IT 4823 and IT 4323

This course introduces core knowledge and skills required to develop and design innovative IoT

solutions. Students will analyze the challenges, apply appropriate patterns for user-interaction and learn about trends and characteristics in IoT. In addition, students will evaluate the security design of a suite of IoT-connected products.

IT 4983 - IT Capstone

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Senior standing which includes 40 hours of IT credits.

Students work in teams to develop or implement a real-world IT solution integrating the knowledge acquired in preceding IT courses. Components that are emphasized include technical design, research, documentation, project management, leadership, team work, and communication skills. The final result will be an IT solution addressing a typical business or organizational need such as data management or networking, which will be evaluated by faculty members, Industrial Advisory Board members, and project owners.

WBIT 1100 - Introduction to Information Technology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course is an introductory course in information technology. Topics include foundation in hardware, software, data, and an overview of the use of information technology in organizations. Additional topics include structured programming techniques, systems development, database design and networking, with an emphasis on appropriate business ethics, interpersonal skills and team building.

WBIT 1310 - Programming and Problem Solving

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MATH 1113 and WBIT 1100

This course helps students to develop basic problem-solving skills using the Java programming language. Students are introduced to fundamentals of Java programming language with emphasis on primitive data types, control structures, methods, arrays, classes, objects, abstraction, inheritance and polymorphism. Students learn basic techniques of good programming style,

WBIT 2000 - The Enterprise and IT

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course will look at the structure and management of an information technology infrastructure. From the management aspect, the course will touch on principles and practices of managing both people and technology to support an organization. The course will emphasize

This course covers workplace communication at the intermediate level. Topics include

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WBIT 4020 - Professional Practices and Ethics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course covers historical, social, economic and legal considerations of information technology. It includes studies of professional codes of ethical conduct, philosophy of ethics, risk analysis, liability, responsibility, security, privacy, intellectual property, the internet and various laws that affect an information technology infrastructure.

WBIT 4030 - Senior Project

3 Class Hours 0 Laboratory Hours 3

WBIT 4520

Instructional Technology

ITEC 3100 - Improving Learning with Technology in Elementary Classrooms

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Admission to the Teacher Education program.

Teacher candidates learn to use technologies to promote student achievement in elementary content area and technology literacy standards. Special topics include using technology to improve students' English language learning, to assess student learning, and to differentiate instruction. Candidates also learn to manage their digital activities in ways appropriate for a professional educator; advocate for students without beyond

Insurance

INS 4500 - Principles of Risk Management and Insurance

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement; Non-business Majors: 60 credit hours and permission of the Coles College of Business.

This course is an introduction to the identification of risks and their management. Topics will include fundamental life, health, retirement, property and liability exposures and their management through avoidance, control, retention or transfer. The characteristics of life, health, property and liability insuring devices are also covered.

Integrated Science

ISCI 2001 - Life and Earth Science

2 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in SCI 1102

Life and Earth Science Concepts defines science, examines how science is done, and develops an understanding of fundamental concepts in biology, geology, and meteorology. Laboratories will emphasize experimental design and data analysis. Course is primarily for early grades and middle education majors, and cannot be used for credit towards a degree in Biology programs.

Notes: Not acceptable for use as General Education requirement.

ISCI 2002 - Physical Science

2 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in SCI 1102 or equivalent.

Physical Science defines science, examines how science is done, and develops an understanding of fundamental concepts in astronomy, chemistry and physics. Laboratory experiences will emphasize experimental design, data analysis, and inquiry methods. Course is intended for early grades education majors. Cannot be used for credit towards a degree in Biology programs.

Notes: Not acceptable for use as General Education requirement.

Interactive Design

INDS 3000 - Visual Design: Theory

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: DWMA 2170

This course introduces students to contemporary visual design theory with an emphasis on user-centered design in digital environments. The focus here is teaching designers-in-training theories of user-centered visual design as it relates to the creation of interactive designs. Students read and write about visual design theory in addition to producing creative visualizations of theory to help explain complex concepts.

INDS 3100 - Visual Design: History

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: INDS 3000

This course explores various historical approaches to visual design. Students learn about designers associated with various movements. This class is meant to expand the historical knowledge of students who see themselves as designers. Students read and write about techniques and approaches used by select designers before applying this new knowledge set to an interactive design project.

INDS 3150 - Visual Design I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ART 2150 , ART 2550 ,and INDS 3000

In this project-based class, students put the knowledge and skills learned in previous studio classes into practice through teacher-proposed projects related to digital visual design. This

INDS 3250 -

INDS 4150 -

Interdisciplinary Studies

CLST 3398 - Cultural Studies Internship

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Approval by Internship Coordinator

A structured off-campus experience in a supervised setting that is chosen in relation to the student's focus and interests in one of the interdisciplinary programs in the College of Humanities and Social Sciences. Students will meet with the internship coordinator to develop an appropriate plan that will lead to the writing of a research-oriented paper or research project. 100 hours per semester required at internship site.

IDS 2290 - Special Topics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 0099 and READ 0099, if required.

This lower-division course includes special topics of an interdisciplinary nature offered on a rotating basis.

INTS 3398 - Integrative Studies Internship

3 Class Hours 0 Laboratory Hours variable 0-9 Credit Hours

Prerequisite: Completion of 60 credit hours

This course provides students the opportunity to apply their theoretical knowledge, communication skills, and emerging professionalism in a particular work environment. The coursework includes class discussions, group and individual activities, class presentations, and documentation of internship experience. The course is designed to provide applied learning experiences that build upon prior coursework and offers opportunities for integrated and reflective learning.

INTS 4400 - Directed Studies in Integrative Studies

0 Class Hours 0 Laboratory Hours 1-3 Credit Hours

INTS 4490 - Special Topics in Integrative Studies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Approval of the instructor.

This upper-division course includes special topics of an interdisciplinary nature offered on a rotating basis. Topics may focus on interdisciplinary areas of study such as African/African Diaspora Studies, American Studies, Asian Studies, Gender & Women's Studies, Latin American/Latino Studies, Peace Studies, or Religious Studies.

INTS 4498 -

STS 1101 - Science, Technology, and Society

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Successful completion of English Learning Support, if required. Successful completion of Mathematics Learning Support or concurrent registration, if required.

This course provides students with the knowledge and tools necessary to critically examine the development and integration of science, technology, and society. The course seeks to help students better understand the world in which they live, the broader implications of their major course of study, and the complex social, ethical, and moral choices presented by modern science and technology in human relationships.

STS 4000 - International Issues in Science and Technology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Examines the technical, social and moral issues raised by current international advances in science and technology. ra() 0.2 (a) 0.2 (nd) 0.2 () 0.2 .1 (n) -0 0.2.2 (n) e7xalssueend ii.ethitin isonternaac

EURO 4130 -

EURO 4330 - EU Science & Technology Policy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This class is an examination of EU science and technology policy compared to that of the United States. The course examines how governments can encourage scientific and technological innovation and whether government can (or should) try to limit or control technological innovation. Historical contexts as well as current trends will be examined, with specific emphasis on policy outcomes.

EURO 4430 - EU Environmental Policy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course examines the politics and policy-making processes associated with environmental policy in the European Union. Students will explore the historical development of EU environmental policy (EEP), identify the principle actors involved, and inquiry into the modes of governance applied. The course uses concrete empirical cases to illustrate core concepts and to provide a historical and developmental perspective. Principal emphasis is given to analyzing and understanding politics and political processes and in evaluating policy effects.

EURO 4530 - EU Social Policy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course examines the politics and policy-processes associated with social policy in the European Union. Students will trace the historical development of the EU's role in social policy, identify the principle actors involved, and explore the variety of social welfare models found among EU states. The course uses concrete empirical cases to illustrate core concepts. Principal emphasis is given to analyzing and understanding politics and political processes and in evaluating policy effects.

EURO 4630 - EU Communications Policy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course examines politics and policy-making as it pertains to broadcasting, voice telephony & the internet in the European Union. The course begins by examining the history of EU communications policy. It then explores policy developments and how successive enlargements have impact policies and practices. The course concludes by examining the future of EU policy in this issue domain.

EURO 4730 - EU Foreign Policy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

The course explores the challenges facing the European Union as it attempts to pursue a more integrated and coherent common foreign policy. Students will examine the evolution of the EU's role in foreign policy. To do this, students will identify relevant EU governance institutions and explore the manner in which these institutions interact with key foreign policy institutions in member states. Students will explore these relationships with specific reference to economic, security and environmental policy

EURO 4760 - EU-US Foreign Relations

3 Class Hours 0 Laboratory Hours 3 Credit Hours

The course examines the relationship between the European Union and the United States. Students explore the breadth and depth of the transatlantic cooperation across an array of issue domains. Students also explore areas where the parties disagree, sometimes significantly. Where differences exist, students examine the sources of transatlantic tensions, what has been done to address them, and consider whether disagreements can be resolved. Issues addressed include trade, regional and global security, terrorism, and the environment.

EURO 4830 - EU in Comparative Perspective

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course examines the European Union in comparative perspective. Students will explore how problems of regional governance are addressed in the EU as well as in other regions. Students will look both at institutional structures and policy processes. Students will make specific comparisons to the African Union, MERCOSUR, NAFTA, and ASEAN. Further, students will explore whether meaningful differences exist between regional organizations found in the developed world and those found in the Global South

SIS 1000 - International Studies Orientation

1 Class Hours 0 Laboratory Hours 1 Credit Hours

This course examines the methodologies appropriate to the International Studies major, helping to prepare students for upper-division course work in the major. In addition, students will be introduced to the career opportunities in International Studies; familiarized with college and departmental policies, curriculum, and facilities; and introduced to the departmental faculty.

SIS 3600 - Comparative Culture

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Proficiency in second language or consent of the department head

Compares cultures of the Pacific Rim, the Americas, the Middle East, Europe, and Africa with that of the United States with the purpose of diminishing cultural conflict. Includes life-issues of a culture: ceremonies and customs of birth, death, marriage, dating, meals, body language, etc. Lab simulations provide students with experience in dealing with culturally-conflictive situations.

SIS 4000 - Regional Studies/General

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Focuses on the political, economic, and social forces within a particular region or regions of the

or cross-cultural skills or their program-related knowledge to bear on assignments completed in a business, governmental, or organizational setting.

Italian

ITAL 1001 - Introduction to Italian Language and Culture I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful completion of all Learning Support English requirements

Introduction to Italian language and culture stressing progressive acquisition of effective communication skills in both the written and spoken language and an understanding of the practices and products of Italian culture.

Notes:

Students learn about literary and artistic movements as well as cultural issues. Students also work across the curriculum, focusing on interdisciplinary issues within the Italian literary context and developing their competence in critical analysis of Italian cultural and literary issues from a global perspective. Readings and discussions are in Italian.

ITAL 3305 - Literature and Culture II

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ITAL 2002 or permission of the instructor.

Introduction to Italian literature and culture from 1848 to the present. Students examine literary and artistic movements as well as cultural issues. Students also work across the curriculum, focusing on interdisciplinary issues and developing their competence in critical analysis of Italian cultural and literary issues from a global perspective. Readings and discussions are in Italian.

ITAL 3390 - Upper-division Study Abroad in Italian

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Junior or Senior status and permission of the department chair.

This course fulfills the study abroad elective for the minor in Italian Studies. The content of the course may vary depending on available

Notes: Requires prior approval by instructor and department chair.

ITAL 4402 - Contemporary Culture

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ITAL 3303 and ITAL 3305 or permission of the instructor.

An examination of the historical, social and political contexts of the contemporary Italian

as summaries, correspondence, descriptions, narration, literary analysis, and other rhetorical and culturally appropriate forms.

JPN 3304 - Readings in Culture I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: JPN 3200 or the equivalent.

This course introduces students to selected readings in Japanese culture, through which they expand their vocabulary and learn new grammar. Students also learn about cultural issues within the Japanese context and develop their competence in critical analysis of the issues from a global perspective. Readings are in Japanese and discussions are in Japanese and English.

Korean

KOR 1001 - Introduction to Korean Language and Culture I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful completion of all Learning Support English requirements

This course introduces students to Korean language and culture, stressing progressive acquisition of effective communication skills in both the written and spoken language and an understanding of the practices and products of Korean culture. This course is not open to native speakers of Korean.

KOR 1002 - Introduction to Korean Language and Culture II

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One year of high school Korean or KOR 1001 or the equivalent.

This course is an introduction to Korean language and culture, Part II, stressing continued, progressive acquisition of effective communication skills in both the written and spoken language and an understanding of the practices and products of Korean culture. This course is not open to native speakers of Korean.

KOR 2001 - Intermediate Korean Language and Culture I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Two years of high school Korean or KOR 1002 or the equivalent.

The student will continue to develop proficiency in listening, speaking, reading, and writing, and

learn to communicate

Language and Culture II

3 Class Hours

Prerequisite: Three years of high school Korean or KOK 2001 or its equivalent.

Students continue to increase linguistic and cultural proficiency through the use of a variety of materials and activities. This course is not open to native speakers of Korean.

KOR 2200

3 Credit Hours

Equivalent.

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This course introduces students to selected readings in Korean culture, through which they

KSU 1121 - Be the Change

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

Prerequisite: Students with 30 or more credit hours are not eligible to enroll.

In this course, students work to make a difference in the world through research- and skills-based community engagement projects. Students investigate a world problem, find supporting evidence of the problem's scope, and offer solutions that culminate in a final community project where academic and life skills relevant to multiple disciplines and careers are applied. This course satisfies the first-year curriculum requirement by meeting the four learning outcomes of first-year seminars.

KSU 1200 - First-Year Seminar: Leadership

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

Prerequisite: Students with 30 or more credit hours are not eligible to enroll.

This course enhances first-year students' leadership skills and cultivates their knowledge of leadership theory and application. Through experiential learning projects, students practice leadership on campus and in the community while developing life skills, connections with the university, academic success strategies, and global perspectives. This course satisfies the first-year curriculum requirement by meeting the four learning outcomes of the first-year seminars.

KSU 2000 - Transfer Student Seminar

2 Class Hours 0 Laboratory Hours 2 C (enro) 0.2 (I) -0.2 (I) -0.2 (.) JTJET Q q 0.24 0 50 C

career and internship options, emphasizes transferrable skills, and helps students develop a better personal understanding of their personal work values.

KSU 2290 -

LATN 2001 - Intermediate Latin Language and Culture I

3 Class Hours 0

course may be repeated once for credit with permission of department chair when content differs.

Latin American/Latino Studies

LALS 1102 - Understanding Latin America

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.

In this course students critically approach Latin America/Latino-US from interdisciplinary perspectives while analyzing texts within a social, political, cultural, economic, historical, artistic, and geographical context. The concept of a global understanding of Latin America within the notion of a hemispheric America is emphasized, as well as how different nations relate to one another in terms of identity formation and statehood. Issues of representation in the context of immigration and multicultural relations are also studied.

LALS 3770 - Latin American Cinema

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course critically examines the representation of social issues and identity formation in films from Latin America, as well as how they are related to the globalization of American popular culture. This course also focuses on the social and political conditions that affect film-making in the region.

LALS 3780 - Trends in Latin American/Latino Studies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course focuses on current trends, issues, problems, and strategies in the field of Latin American and Latino Studies. Particular attention is paid to how socio

LALS 4490 - Special Topics in Latin American/Latino Studies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: LALS 1102

This course is a study of selected special topics of interest that are relevant to the field of Latin American and/or Latino Studies. Course may be repeated with a change in content. Students may use the course as an elective towards the Minor in Latin American/Latino Studies. Depending on the content, the course can also serve as an elective course for Minors in African/African Diaspora Studies, American Studies, or Gender and Women's Studies.

Leadership Studies

LDRS 2000 - Finding the Leader Within

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful completion of Learning Support or concurrent registration, if required.
In this course students are introduced to critical challenges, key contexts, and emerging trends of leadership. Students o

LDRS 3300 - Leadership and Decision Making

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

In this course, leadership and decision-making are examined from multiple perspectives. Students learn the process of making a decision utilizing the WRAP framework. Other factors involved in the decision making process are explored and identified. The dynamics of the relationship between leadership and decision making are discussed and analyzed. Research of leaders helps students better understand the decision making process and the impact of decisions.

LDRS 3400 - Service As Leadership

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

Based on the Social Change and Servant Leadership models, students explore the connections between service and leadership. This course examines the differences between civic engagement, civic responsibility and social activism. Students participate in engagement projects within the community, attend social activism functions and develop and present projects geared toward social change. Students leave this course with an understanding of how servant leaders can impact their community.

LDRS 3500 - How Not to Lead

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

In this course students define and explore unethical and ineffective leadership concepts and

making while touching on the theories of ethics and their application. Students can expect to focus on the importance of understanding ethics in a global environment.

LDRS 3700 - Women in Leadership

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course makes connections and draw conclusions about leadership, particularly as it applied to women. Students will integrate leadership theory and experiences to understand the unique state and current thinking of women and leadership, including recent progress toward equal opportunity as well as address remaining challenges for this group.

Management

MGT 3100 - Management and Behavioral Sciences

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement; Non-business Majors: 60 credit hours and permission of the Coles College of Business.

This course introduces students to the field of management, focusing on basic principles and

Notes: Co-

MGT 4002 - Managing People

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and MGT 4001 ; Non-business Majors: MGT 4001 and permission of the Coles College of Business.

People are an organization's most valuable assets. T

MGT 4121 - Entrepreneurship and Creativity

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement; Non-business Majors: 60 hours and permission of the Coles College of Business.

Introduction to entrepreneurship.

Business.

The study of employee and labor relations includes union organizing, collective bargaining, labor legislation, contract negotiation, grievance resolution, arbitration, and international labor movement issues. Alternative dispute resolution methods, cooperative labor/management policies and practices, and union-free work environments are covered.

MGT 4172 - Compensation and Reward Systems

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and MGT 4002 or MGT 4170; Non-business Majors: MGT 4002 or MGT 4170 and permission of the Coles College of Business.

Compensation systems and practices that attract, motivate, and retain employees are investigated in this course. Topical areas include wage and hour regulations, job evaluation, pay structure development, incentive systems, merit pay decision making, and strategic benefit systems design.

MGT 4173 - Human Resource Selection

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and MGT 4002 or MGT 4170; Non-business Majors: MGT 4002 or MGT 4170 and permission of the Coles College of Business.

This course focuses on the acquisition, selection, and placement of human resources to maximize organizational effectiveness. Topics include strategic human resources planning, EEO requirements, labor force forecasting, job analysis methods, recruitment practices, employee selection techniques, and testing procedures that increase employee-job fit.

MGT 4185 - Technology Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and MGT 3100 ; Non-business Majors: MGT 3100 and permission of the Coles College of Business

This course focuses on the management of technologies within organizations. Specific topics

MGT 4700 - Hospitality Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite:

Majors: MGT 3200 and permission of the Coles College of Business.

This course is an in-depth study of the key concepts and practices of modern quality philosophies and techniques. The opportunities to add value through quality in all phases of business and product life cycles will be identified. Concepts and methods of statistical quality control will be presented.

MGT 4880 - Service Operations Management

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and MGT 3200 ; Non-business Majors: MGT 3200 and permission of the Coles College of Business.

The course will focus on developing a clear understanding of services from multiple perspectives. Students will define, diagnose, design, measure, control, and change services with the objective of improving quality and productivity. The course will address important service design issues, competitive issues unique to services, and the extensive interaction between marketing and operations in service organizations.

MGT/MKTG 4476 - Contemporary Global Business Practices

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and 90 semester hours including MGT 3100 and MGT 3600; Non-business Majors: MGT 3100, MGT 3600 and

facilitate exchanges of values. This includes many activities such as research, physical distribution, product planning, pricing and promotional activities. These concepts are examined as they apply to marketing of goods and services, in profit and nonprofit sectors, in both domestic and global markets.

Notes: Offered as an online course.

MKTG 3150 -

MKTG 3410 - Professional Selling

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and MKTG 3100 ; Non-business Majors: MKTG 3100 and permission of the Coles College of Business.

This course examines the role of personal selling in the firm's marketing strategy, model of communication and specific methods of selling. All students will be required to develop and deliver effective sales presentations.

MKTG 3800 - Entertainment Marketing

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and MKTG 3100 ; Non-business Majors: MKTG 3100 and permission of the Coles College of Business.

An introduction to the marketing practices of the entertainment industry. Industry terms, marketing strategies and tactics, recent developments and trends will be examined for major sectors of the entertainment industry including movie, music, television, theater, publishing, gaming, hospitality, and sports sectors. The course will also focus on product placement, celebrity source usage, product tie-ins, cross promotion, licensing, and other current marketing practices in the entertainment industry.

MKTG 4100 - Marketing Research

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement, MKTG 3100 and ECON 2300 . Non-business Majors: MKTG 3100, ECON 2300, and permission of the Coles College of Business.

An examination of the marketing research process as an information providing activity supporting management decision-making. The course covers definition of the research problem, selecting and planning of a research design, measurement and scaling, questionnaire construction, and data analysis and interpretation. Students are required to use a statistical software package for data management and analysis.

MKTG 4300 - Basic Retailing

3 Class Hours 0 Laboratory Hours 3

MKTG 4350 - Retail Management

3 Class Hours 0

This course is an introduction to the marketing practices that focus on the needs of entrepreneurs. Industry terms, entrepreneur-focused marketing strategies and sales tactics, recent developments, trends, and social networking will be examined. Requirements for development of an integrated marketing communications plan for supporting an entrepreneur are stressed.

MKTG 4670 - Promotional Strategy

3

MKTG 4850 - Business to Business Marketing

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and MKTG 3100 ; Non-business Majors: MKTG 3100 and permission of the Coles College of Business.

This course is an intensive study of the basic functions needed for the study of calculus. Topics include algebraic, functional, and graphical techniques for solving problems with algebraic, exponential, logarithmic, and trigonometric functions and their inverses.

MATH 1160 - Elementary Applied Calculus

MATH 2202 - Calculus II

4 Class Hours 0 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in MATH 1190

This course is the second in the calculus curriculum and consists of two parts. The first part is concerned with the techniques of integration and applications of the integral. The second part is concerned with infinite sequences and series.

MATH 2203 - Calculus III

4 Class Hours 0 Laboratory Hours 4 Credit Hours

Prerequisite: A grade of "C" or better in MATH 2202

This course is the third in the calculus curriculum and is concerned with functions defined on regions in two or three dimensional space and that have values in one, two, or three dimensional space. Topics include partial derivatives, vector fields, multiple integrals, and applications of these topics.

MATH 2306 - Ordinary Differential Equations

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in MATH 2202

An introduction to the theory of ordinary differential equations (ODEs), methods of solving first and higher order linear differential equations and linear systems, some applications in the sciences and engineering, the Laplace transform and its application in solving differential equations and linear systems, stability analysis and Euler's numerical algorithm.

MATH 2332 - Probability and Data Analysis

MATH 2335 - Numerical Methods for Engineers

3 Class Hours 0

MATH 3316 - Rational Numbers and Proportional Reasoning for Elementary Teachers

3

MATH 3322 - Graph Theory

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in MATH 2345 or MATH 2390

This course serves as an introduction to the basic principles of graph theo

MATH 3495 - Advanced Perspectives on School Mathematics I

3

MATH 4310 - Partial Differential Equations

MATH 4381 - Real Analysis I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in MATH 2390

This course provides a rigorous introduction to the calculus of a single real variable and a deeper awareness of the theory of calculus than can be achieved in the elementary calculus courses. Among the topics covered in the course are completeness of the number system, elementary topology of the real line, limits of sequences, and limits and continuity of functions. The aim of this course is two-fold, to provide an understanding of the nature of the real number system and its role in the theory of calculus, and to provide a training in the discovery and writing of rigorous mathematical proofs.

MATH 4382 - Real Analysis II

3 Class Hours 0 Laboratory Hours

MATH 4490 -

MAED 4416 - Teaching of Mathematics II (6 - 12)

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in EDUC 2130 and MATH 3495

employment teaching mathematics.

emphasized. Appropriate use of manipulatives, calculators and software will be integrated in course materials.

Mechanical Engineering

ME 1001 - Introduction to Mechanical Engineering

2 Class Hours 0 Laboratory Hours 2 Credit Hours

This course is an introduction to Engineering, with a focus on Mechanical Engineering. A strong emphasis will be placed on techniques for undergraduate student success, and preparation for careers in engineering and/or graduate studies. Students will be introduced to engineering faculty and student organizations. Kennesaw State University and Mechanical Engineering Program policies and curricula will be discussed.

ME 1311 - MATLAB for Engineers with Applications

3 Class Hours 0

phase diagrams and transformations/heat treatment, polymers, ceramics and glasses, and composites.

ME 3133 - Composite Mechanics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGR 3131

To provide a broad introduction to the technology and mechanics of advanced composites (polymer, metal and ceramic matrix), with a particular emphasis on mechanical design using fiber reinforced composites. Micromechanics of composites, as well as effective properties such as lamination theory will be introduced. Design considerations, applications and composite fabrication will also be introduced.

ME 3201 - Product Realization

2 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: ENGR 2214 and EDG 1211 and Engineering Standing

This course will introduce students to a rigorous design process. From needs assessment to implementation, an emphasis will be placed on the need for a formal process. Case studies will be used extensively, as well as a real-world ME design project.

ME 3398 - Internship

1-4 Credit Hours

Prerequisite:

ME 3440 - Heat Transfer

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ME 3410 and Engineering Standing

Fundamentals and applications of heat transfer including conduction, convection and radiation.

ME 4201 - Senior Design I

1 Class Hours 0 Laboratory Hours 1 Credit Hours

Prerequisite: ME 3201 , ME 3440 , ME 4250 and Engineering Standing

Part 1 of a two-course senior design capstone project for mechanical engineering. Students will form teams, define design projects, and write a proposal. Students will also begin preparation for FE Exam.

ME 4202 - Senior Design II

2 Class Hours 3 Laboratory Hours 3 Credit Hours

Prerequisite: ME 4201 and Engineering Standing

Part 2 of a two-course senior design capstone project for mechanical engineering. Synthesis and analysis of an open-ended mechanical engineering design project, including written and oral communication. Students will also be prepared to take the FE exam.

ME 4250 - Computer Aided Engineering

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: EDG 1211 , ENGR 3343 , ENGR 3131 and Engineering Standing

This course introduces engineering software tools and techniques for computer modeling and simulation of mechanical components, products and systems. It introduces students to techniques common to various industries including biomedical, aviation, automobile, HVAC, etc. such as meshing and computer simulations based on finite element and computational fluid dynamics (finite volume) analyses.

ME 4400 - Directed Study

1-4 Credit Hours

Prerequisite: Approval of instructor and department chair

This course covers special topics and seminars
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MET 1321 - Machining and Welding

1 Class Hours 3 Laboratory Hours 2 Credit Hours

Prerequisite: ME 1311 (or concurrently)



MET 3101 -

MET 3331 - Tool Design

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MET 2322 and (ENGR 3131 or ENGT 3124)

Jigs and fixtures for production machining processes are covered. Specific subjects include methods of gauging work pieces, ease and simplicity of operation, assembly methods, capital evaluation, techniques for locating and holding work pieces, time studies, tool steels, bending allowances, and reverse engineering techniques. The course is design project oriented. Projects include calculations of tooling forces and costs as well as complete production drawings of the tool design.

MET 3332 - Rapid Design and Manufacture

2 Class Hours 3 Laboratory Hours 3 Credit Hours

Prerequisite: EDG 1212 , or permission of instructor

This course is focused on bringing products to market as quickly as possible primarily through the use of 3D scanning and additive manufacturing technologies. Product Design, reverse engineering, and rapid tooling are topics covered and applied in this course.

MET 3400 - Thermodynamics and Heat Transfer

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MATH 1190 and (PHYS 1111 or PHYS 2211)

A study of the fundamental laws of thermodynamics and heat transfer for non-MET students. Properties of ideal gases, mixtures of ideal gases, real substances as related to heat engines, heat pumps, refrigerators, and heat exchangers are covered. Basic applications of thermodynamics in the study of power plants, internal combustion engines, refrigeration systems and air conditioning systems are included. Heat transfer topics are introduced with applications for conduction, convection, and radiation.

MET 3401 - Thermodynamics I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MATH 1190 and (PHYS 1111 or PHYS 2211)

Covers the fundamentals of thermodynamics. Use of steam and gas tables is introduced. Property relations for ideal gases and incompressible liquids are introduced. Applications of the First and Second Laws to closed and open systems are studied. Heat engines, refrigerators, heat pumps, availability and irreversibility are studied.

MET 3402 - Thermodynamics II

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: (ENGR 3343 or MET 3101) and MET 3401

Continuation of Thermodynamics I with emphasis on applications. Transient flow analysis, combustion, internal and external combustion cycles, gas tu

The design of machines and machine elements, and cost considerations. The course focuses on

MET 4351 - Manufacturing System Design Project

0 Class Hours 9 Laboratory Hours 3 Credit Hours

Prerequisite: MET 4342 and MET 4332

The Manufacturing Design Project is the capstone course for the Manufacturing Concentration in MET. Projects are assigned based on interest, equipment and software availability, and the specific background of the student. Projects require planning, proposal presentation, scheduling, engineering, implementation, and written and oral presentations of project results. Students are encouraged to "design and build" and utilize concepts learned from the courses completed in the MET Manufacturing Concentration. Presentation and report writing skills are practiced.

MET 4400 - Directed Study for MET

1-5 Credit Hours

Prerequisite: Consent of the Department Chair

Independent study on topics of mutual interest to faculty and students. Assignments depend upon the specific background of the student, equipment availability, software availability, etc. Projects require a proposal presentation, scheduling, implementation and both written and oral presentations of study results.

MET 4401 - Heat Transfer

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MET 3401

This course encompasses the study of Steady-State Conduction (One Dimensional, Multiple Dimensions), Principles of Convection (Forced Convection, Natural Convection),

Mechatronics

MTRE 1000 -

MTRE 4002

This is a control system course tailored for Mechatronics Engineering students. While it covers all topics in a traditional control system course, some additional topics, such as modeling of mechatronics systems, controller design of mechatronics system, and vibration control, are covered as well.

MTRE 4002 - Feedback Control Laboratory

0 Class Hours 3 Laboratory Hours 1 Credit Hours

Prerequisite: EE 2301 , ENGR 2214 , MATH 2306 and Engineering Standing Corequisite: MTRE 4001

This is a laboratory course designed to complement the modeling and feedback controls topics. Feedback Control, MATLAB/Simulink Modeling are studied and analyzed using simulations and physical experiments.

MTRE 4010 - Advanced Controls

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: (MTRE 4001 and MTRE 4002)

The technology of integrating automation equipment for use in manufacturing process is covered. Students design demonstrations and complete projects involving the interfacing of

Leadership Dimensions while gaining a big picture understanding of the ROTC program, its purpose in the Army, and its advantages for the student.

MILS 1022 - Introduction to Tactical Leadership

2 Class Hours 3 Laboratory Hours 3 Credit Hours

This course overviews leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feed-back, and using elective writing skills. Cadets explore dimensions of leadership values; emphasis is placed on recruitment and retention of cadets. The building of stronger relationships among the cadets through common experiences and practical interaction are critical aspects of the course experience.

MILS 2021 - Innovative Team Leadership

2 Class Hours 3 Laboratory Hours 3 Credit Hours

Prerequisite: MILS 1021 , MILS 1022 , prior military service or permission of the instructor.

This course explores the dimensions of creative and innovative tactical leadership, strategies, and styles by examining team dynamics of two historical leadership theories that form the basis of the Army leadership framework -- trait and behavior theories. Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. Focus is on continued development of the knowledge of leadership values and attributes through an understanding of Army rank structure, duties, and basic aspects of land navigation and squad tactics. Case studies provide tangible context for learning the Soldier's Creed and Warrior Ethos as they apply in the contemporary operating environment (COE).

MILS 2022 - Found Tactical Leadership

2 Class Hours 3

MILS 2031 - Army Physical Fitness Training

1 Class Hours 3 Laboratory Hours 2 Credit Hours

Prerequisite: Must have a Department of the Army (DA) Form 3425-R signed by a Physician and be enrolled in the Military Science Levels 1-4.

Develops skills needed to participate in, instruct, develop, and assess the Army Physical Fitness Test. Classes will meet Monday, Wednesday, and Friday from 6:00 am to 7:00 am in or near the gymnasium for training and lecture period.

MILS 3011 - Adaptive Tactical Leadership

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: Advanced ROTC standing or permission of the department.

This course challenges cadets to study and practice adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operations. Cadets receive

and battalion leadership experiences are designed to prepare cadets for their first unit of assignment. They identify responsibilities of key staff roles, and use situational opportunities to teach, train, and develop subordinates.

MILS 4012 - Leaders Complex World

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: MILS 4011 or Advanced Course Standing.

This c

Music

MUSI 1020

MUSI 1112 - Aural Skills II

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: A grade of "C" or better in MUSI 1111

For music majors. Continuation of skill development in sight singing including rhythmic and melodic dictation. Practical application includes some composition and improvisation.

MUSI 1120 - Music Theory I Intensive

3 Class Hours 1 Laboratory Hours 3 Credit Hours

Prerequisite: Must be a fully admitted music major or minor; placement determined by a proficiency test.

For music majors and minors. A correlated study of rhythmic, melodic, and harmonic aspects of

MUSI 1141

rehearse, and perform literature for the wind band medium. This course may be repeated for lower-division credit. Membership in the Wind Symphony is by audition only.

MUSI 1146 - Chamber Singers

0 Class Hours 6 Laboratory Hours 1 Credit Hours

Prerequisite: Audition.

May be repeated for lower-division credit. Study, rehearsal, and concert performance of choral literature. Membership in Chamber Singers is by audition only.

MUSI 1147 - Wind Ensemble

0 Class Hours 6 Laboratory Hours 1 Credit Hours

Prerequisite: Audition.

May be repeated for lower-division credit. Study, rehearsal and concert performance of literature for wind ensemble. Membership in Wind Ensemble is by audition only.

MUSI 1148 - Symphony Orchestra

0 Class Hours 6 Laboratory Hours 1 Credit Hours

Prerequisite: Audition.

May be repeated for lower-division credit. Study, rehearsal and concert performance of literature for orchestra. Membership in the Orchestra is by audition only.

MUSI 1149 - Chorale

0 Class Hours 3 Laboratory Hours 1 Credit Hours

May be repeated for lower-division credit. Study, rehearsal and concert performance of literature for choir.

MUSI 1165 - Class Piano I

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: Must be a fully admitted music major; placement determined by proficiency test.

The purpose of class piano instruction is to equip non-piano majors with the keyboard proficiencies needed to be reasonably fluent in basic technical and reading skills for practical use as a professional musician.

MUSI 1166 - Class Piano II

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: A grade of "C" or better in MUSI 1165

Continuation of Music 1165.

MUSI 2100 - Technology in Music

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: MUSI 1122

The development of practical experience with current computer applications and current technology specifically associated with music instruction and music performance. The course exposes students to current capabilities of technology as they relate to composition, instrumentation, performance and teaching.

MUSI 2111 - Aural Skills III

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: A grade of "C" or better in MUSI 1112

For music majors. Advanced skill development in ear training and sight singing. Includes rhythmic and melodic dictation. Practical application includes some composition and improvisation.

MUSI 2112 - Aural Skills IV

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: A grade of "C" or better in MUSI 2111

For music majors. Continuation of advanced skill development in ear training and sight singing. Includes rhythmic and melodic dictation. Practical application includes some composition and improvisation.

MUSI 2221 - Music Theory III

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in MUSI 1122

MUSI 2222 - Music Theory IV

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in MUSI 2221

For music majors. Continuation of advanced correlated study of music theory and harmony in common practice including analytical study of 20th century music. Components include composition, improvisation, literature analysis and practical keyboard application.

MUSI 3165

in this ensemble. The Men's Ensemble performs twice each semester on collegiate level literature. Non-music majors are highly encouraged to enroll in this ensemble.

MUSI 3202 - Women's Choir

0 Class Hours 3 Laboratory Hours 0-1 Credit Hours

The KSU Women's Choir is open to all students campus-wide. No audition is required to participate in this ensemble. The Women's Choir performs twice each semester on collegiate level literature. Non-music majors are highly encouraged to enroll in this ensemble.

MUSI 3210 - Classical Guitar Ensemble

0 Class Hours 1 Laboratory Hours 0-1 Credit Hours

MUSI 3317 -

MUSI 3322 - Jazz Theory and Composition

students gain abilities in the artistic use of pitch, rhythm, melody, timbre and harmony. 20th and 21st century styles and techniques are utilized. Students gain technology competency in the use of composition software and by learning the basics of digital audio and video editing of recorded performances.

MUSI 3331 - Choral Conducting

2 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: MUSI 2221

Fundamental elements of conducting including baton technique, score reading, cueing, expression, interpretation and rehearsal skills with an emphasis on applying these techniques in practical conducting experiences involving vocal and instrumental ensembles.

MUSI 3332 - Instrumental Conducting

2 Class Hours 0 Laboratory Hours 2 Credit Hours

MUSI 3335 - German and French Diction

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: All developmental studies courses, if required and a grade of "C" or better in MUSI 3334

Designed for the vocal music majors. An applied performance laboratory for the study of the pronunciation, enunciation, and expression of the German and French language in singing.

MUSI 3336 - Diction for Singers

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: Must be a fully-admitted music major.

This course will focus on applying the International Phonetic Alphabet to the transliteration of French, German, Italian, and English languages.

MUSI 3341 - University Band

0 Class Hours 3 Laboratory Hours 0-1 Credit Hours

variety of styles within the jazz idiom including traditional swing, bop, Latin, Afro-Cuban, and funk.

MUSI 3344 - University Philharmonic Orchestra

0 Class Hours 3 Laboratory Hours 0-1 Credit Hours

Prerequisite: Membership is open to all students with previous experience playing an instrument.

May be repeated for upper-division credit. Study, rehearsal, and concert performance of literature for orchestra. No audition is required and non-music majors with previous orchestral experience are encouraged to play in the group.

MUSI 3345 - Wind Symphony

0 Class Hours 3 Laboratory Hours 0-1 Credit Hours

Prerequisite: Audition

This course offers music majors, minors, and non-

May be repeated for upper-division credit. Study, rehearsal and concert performance of literature for orchestra.

Notes: Membership in the orchestra is by audition only.

MUSI 3353 - Jazz Improvisation I

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: MUSI 1122

An introduction to jazz improvisation for any instrument and application of jazz improvisation techniques to jazz repertoire including modal compositions, blues, minor blues, and compositions with major cadences.

MUSI 3354 - Jazz Improvisation II

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: A grade of "C" or better in MUSI 2222 and MUSI 3353, or permission of the Jazz Studies director.

A continuing methodology designed to improve jazz improvisation, for any instrument and application in jazz, that focuses on rhythm changes form, altered dominants, bebop concepts, and unconventional harmonies.

MUSI 3355 - Jazz Improvisation III

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: A grade of "C" or better in MUSI 2222 and MUSI 3354, or permission of the Jazz Studies director.

A continuing methodology designed to improve jazz improvisation, for any instrument and application in jazz, that focuses on melodic minor derivations, cycling altered dominants, pentatonic concepts, and non-traditional harmonies.

MUSI 3360 - Jazz Piano

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: A grade of "C" or better in MUSI 1165

An introduction to jazz piano skills for the non-pianist including interpreting chord symbols and sophisticated harmonies, learning functional voicings, and performance competency.

MUSI 3367 - Vocal Skills I

1 Class Hours 0 Laboratory Hours 1 Credit Hours

Prerequisite: All developmental studies courses if required. Non-music majors require permission of the instructor.

Vocal proficiency for music majors and non-majors. Emphasis on tone production, diction, performing skills and the physiology of the voice.

MUSI 3368 - Vocal Skills II

1 Class Hours 0 Laboratory Hours 1 Credit Hours

Prerequisite: MUSI 3367

Continuation of MUSI 3367.

MUSI 3371 - Composition I

1 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: MUSI 2222 and permission of the instructor.

Individually tailored instruction is utilized for the development of music composition skills by writing in traditional and 20th century styles in both small and large forms and for a variety of media.

MUSI 3372 - Composition II

1 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: MUSI 3371 and permission of the instructor.

Individually tailored instruction is utilized for the development of music composition skills by writing in traditional and 20th century styles in both small and large forms and for a variety of media.

MUSI 3390 - Music Entrepreneurship

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Acceptance into the Music Entertainment and Business program or completion of MUSI 2222

Students will work on a series of projects to understand aspects of what is required to have a successful career in the music industry in the 21st century and build the skills beyond musicianship that will aid in attaining musical goals.

MUSI 3396 - Cooperative Study

1-3 Credit Hours

Prerequisite: Approval of the coordinator of cooperative education/internship (Career

Services).

A supervised work experience program for a minimum of two academic semesters at a site in business, industry or government. For sophomore-, junior, or senior level students who wish to obtain successive on the job experience in conjunction with their academic training.

MUSI 3398 - Internship

1-12 Credit Hours

Prerequisite: Approval of School Director.

A supervised, credit earning work experience of one academic semester with a previously approved business firm, private agency or government agency.

Notes: Credit is allowed only in elective areas.

MUSI 3411 - Survey of African-American Music

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

An examination of the development of African-American music from its roots in Africa to the present time in America. The course examines the various genres of African-American music created by Africans incl-0.2 (c)u24 0 0 0.24 306.4688 518.888 cm BT 50 0 0 50 0 0 Tm /TT2m /TTj ET QT

MUSI 4412 - Introduction to American Music

MUSI 4431 - Piano Pedagogy II

2 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: MUSI 4430 and permission of the instructor.

Continuation of beginning-, elementary-, and intermediate-level teaching materials and methods for piano.

MUSI 4433 - Voice Pedagogy

2 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: A grade of "C" or better in MUAP 2222

Pedagogical methods, vocal physiology and literature for training voices from beginning to advanced levels.

MUSI 4434 - Vocal Pedagogy for Ensemble Singing

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: MUSI 3334

Pedagogical methods for voice and vocal ensembles, vocal physiology and literature for training voices from beginning to advanced levels.

MUSI 4435 - (Name of Instrument) Pedagogy and Literature

1 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MUSI 2222

Pedagogical methods, techniques, physiology and literature in the principal performance concentration area.

MUSI 4436 - Jazz Pedagogy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: (MUSI 1143 or MUSI 3343), and MUSI 3380.

This course introduces students to the methodologies and resources of jazz pedagogy. S ann 0 0.24 211.48:

MUSI 4471 - Composition III

1 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: MUSI 3372 and permission of the instructor.

Individually tailored instruction is utilized for the development of music composition skills by writing in traditional and 20th century styles in both small and large forms and for a variety of media.

MUSI 4472 - Composition IV

1 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite:

MUSI 4495 - Senior Seminar in Music

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: Completion of applied studies and completion of 90 hours of course work and permission of the

MUAP 3322 - Applied Lessons

1 Class Hours 0 Laboratory Hours 2 Credit Hours

Notes: Recital component

MUAP 3323 - Applied Lessons

1 Class Hours 0 Laboratory Hours 2 Credit Hours

MUAP 4411 - Applied Lessons

1 Class Hours 0 Laboratory Hours 1 Credit Hours

Notes: Recital component

MUAP 4412 - Applied Lessons

1 Class Hours 0 Laboratory Hours 1 Credit Hours

Prerequisite: Recital component

MUAP 4413 - Applied Lessons

1 Class Hours 0 Laboratory Hours 1 Credit Hours

Prerequisite: Recital component

MUAP 4421 - Applied Lessons

1 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: Recital component

MUAP 4422 - Applied Lessons

1 Class Hours 0 Laboratory Hours 2 Credit Hours

Recital component.

MUAP 4423 - Applied Lessons

1

Music and Entertainment Business

MEBU 1101 - Introduction to the Music and Entertainment Business

1 Class Hours 0 Laboratory Hours 1 Credit Hours

An introduction to the fundamental concepts of the business practices related to the music and entertainment industry. The course will focus on skills necessary for beginning and maintaining a professional career in the music and entertainment industry. The course will have an emphasis

industry, with a strong emphasis on experiential learning and practical application of classroom knowledge to the music and entertainment business environment. In-depth focus on entrepreneurship, business plans, practical experiences, on-the-job training, resume-building and exploration of career opportunities in the music and entertainment industry.

MEBU 4200 - Current Topics in the Music and Entertainment Business

2 Class Hours 1 Laboratory Hours 3 Credit Hours

Prerequisite: 90 credit hours, recommended minimum cumulative GPA of 2.8, application and acceptance to the Music and Entertainment Business Certificate program, successful completion of MEBU 3100 , and permission of the MEBU director.

Selected current topics of interest to faculty and students that focus on the Music and Entertainment Business. In-depth focus on ethics and ideologies, convergence, sponsorships, endorsements, technologies, brands, licensing and applications of copyright law, business plans, intellectual property rights and the future of the music and entertainment industry.

MEBU 4490 - Special Topics in the Music and Entertainment Business

2 Class Hours 0 Laboratory Hours 3

MUED 3301 - General Methods, Materials and Curriculum

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MUSI 2222 , EDUC 2110 , and admission to the Teacher Education program.

The development of specific teaching skills, techniques and materials to support the role of the elementary/general music teacher. The course prepares prospective general track music specialists for all aspects of the role including curriculum design and the incorporation of a wide variety of methodologies into classroom instruction. Field component and peer teaching required. This course is a requirement for all music education majors.

MUED 3302 - Choral Methods, Materials, and Curriculum

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MUSI 2222 , MUSI 4434 , EDUC 2110 , and admission to the Teacher Education program.

The development of the specific teaching skills, techniques and materials to support the role of the choir director and vocal music teacher. The course prepares prospective choral/vocal track music specialists for all aspects of the role including curriculum design, rehearsal procedures, methodologies, and the study of appropriate choral literature. Field component, peer teaching and laboratory conducting are required. This course is a requirement for all choral/vocal music education majors.

MUED 3303 - Instrumental Methods, Materials and Curriculum

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MUSI 2222 , EDUC 2110 , and admission to the Teacher Education program.

The development of specific teaching skills, techniques and materials to support the role of band director and instrumental music teacher. The course prepares prospective instrumental

MUED 3308 - Music Education for Exceptional Students

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This course provides basic teaching and playing competencies on violin, viola, cello and bass. Students learn technical skills on the instrument and a variety of pedagogical strategies to be used while teaching in a group or individual setting. Students gain the ability to correctly sequence teaching episodes and diagnose and correct common problems in upper-level string playing.

MUED 3352 - String Techniques Class II

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: Must be a fully admitted music major.

This course provides basic teaching and playing competencies on cello and/or double bass. Students learn technical skills on the instrument and a variety of pedagogical strategies to be used while teaching in a group or individual setting. Students gain the ability to correctly sequence teaching episodes and will be able to diagnose and correct common problems in lower string playing.

MUED 3353 - Guitar Techniques Class

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: Must be a fully admitted music major.

Instrument Techniques are REQUIRED for all music education majors. They are taken by

MUED 3360 -

MUED 3366 - Woodwind Techniques Class II

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Prerequisite: Must be a fully admitted music major.

Instrument Techniques are required for all music education majors. They are taken by advisement according to concentration. Woodwind Techniques Class II provides for basic teaching and playing competency on flute and oboe.

MUED 3367 - Woodwind Techniques Class III

0 Class Hours 2 Laboratory Hours

Nursing

NURS 3209 - Theoretical Basis for Holistic Nursing & Health

4 Class Hours 6 Laboratory Hours 6 Credit Hours

Prerequisite: BIOL 3317 (may be taken concurrently). Corequisite: NURS 3309.

The first nursing course is designed to introduce the student to the philosophical and theoretical basis for professional nursing in primary and secondary care settings. The student is encouraged to be self-assessing, self caring, and self directive. Emphasis is on the six processes of nursing, self care requisites, and holistic health. Learning experiences are provided in the Nursing Learning Resource Center, KSU's Wellness Center and selected primary and secondary care settings.

NURS 3302 - Professionalism and Ethics in Nursing

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: NURS 3209, NURS 3309 and BIOL 3317 Corequisite: NURS 3303 and NURS 3313

Students analyze historical, contemporary, and global perspectives on the role of nursing in society, and on professional nursing roles within the context of contemporary health care delivery systems. Primary emphasis is on the ethical and legal foundations of nursing, including exploration of common ethical and legal dilemmas encountered at the beginning and end of life, as well as in everyday nursing encounters. In addition, students develop communication skills essential to collegial nursing practice and to collaborative roles within interdisciplinary health care teams. Students apply and critique selected models of ethical decision-making, and explore their utility for nursing practice and for assuming responsibility and accountability for nursing's ethic of care and commitment to client advocacy.

NURS 3303 - Clinical Pharmacology for Nurses

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: NURS 3209 or registered nurse status.

An introduction to fundamental pharmacologic principles and their application. The nursing process approach will provide the theoretical base for the knowledge and skills needed to safely administer medications.

NURS 3309 - Health Assessment

2 Class Hours 3 Laboratory Hours 3 Credit Hours

Corequisite: NURS 3209 or registered nurse status, permission of the instructor.

Introduction to basic interviewing and physical assessment techniques involved in the process of health assessment of clients. Emphasis is placed on recognition of normal findings, and common

NURS 3330 - Health Systems & Health Policy

3

management. Students will be given an opportunity to participate in selective observational and simulated experiences related to cardiovascular problems.

NURS 4425 - Nursing as Caring

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Junior level or permission of the instructor.

Designed to explore the multiple perspectives of caring as the foundational science of nursing.

Developing a personal meaning of caring will be emphasized as it relates to caring for self, caring for others, and caring as a member of the nursing profession.

NURS 4426 - Nursing Practicum in Oaxaca

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Sophomore nursing status plus one Spanish course or fluency in Spanish from any other source.

This course is designed for nursing students or practicing nurses to work within the Oaxaca,

NURS 4433 - Issues of Nursing Practice in a Multicultural Setting: Abu Dhabi, United Arab Emirates

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: NURS 3209 , NURS 3309 , and BIOL 3317

This seminar course focuses on aspects of providing nursing care to patients in a multicultural setting. Extensive experiential activities are designed to provide the student with opportunities for analysis of nursing care by licensed nurses from diverse backgrounds to a multicultural patient population. The experiential activities will occur in acute and community care settings in Abu Dhabi, United Arab Emirates.

NURS 4440 - Palliative and End of Life Care

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: NURS 3313 or Registered Nurse status.

PAX 3100 - Peace and Religion

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102 or PAX 1102

This course examines selected world religions and peace through an interdisciplinary lens. Drawing primarily on religious and philosophical resources and other cultural texts, the course analyzes the conduct of religions in peace work and religious ideas about peace and peacebuilding.

PAX 3220 - Peace and Film

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102 or PAX 1102

This course offers an interdisciplinary survey of international cinema's use of film in peace work's use s2(o)

PAX 4490 - Special Topics in Peace Studies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1101

A study of selected special topics of interest to faculty and students. Course may be repeated with a change in content.

PAX 4499 - Seminar in Peace Studies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PHIL 3303 and completion of 60 credit hours.

A seminar course for the Peace Studies Minor that integrates students' prior coursework with

PHIL 2200 - Ways of Knowing

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Learning Support Prerequisites:

Successful completion of English Learning Support, Successful completion of Mathematics Learning Support or concurrent registration.

A philosophical, critical examination of the different ways of knowing and thinking in the humanities, natural sciences, and social sciences including ethical and religious perspectives. Emphasis is on the nature and purpose of philosophical inquiry as applied to selected issues within philosophy and the broader implications of these methods and questions for other disciplines and in everyday contexts.

Notes: Offered as an online course.

PHIL 2500 - Logic

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102 and MATH 1101 (or equivalent).

The course is an introduction to deductive logic with focus on the theoretical and practical aspects of categorical propositions and syllogisms, truth function logic, the method of natural deduction, and predicate logic.

PHIL 2700 - Methods and Themes in Comparative Philosophy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1101

This course focuses on differing methods and conceptions of philosophical thought and practice articulated primarily in Non-Western traditions. Students develop skills in close reading of texts, analyzing concepts orally and in writing, and understanding the significance of historical/social contexts in the formation of philosophical traditions. Themes may address topics such as conceptions of reality, self, and society. Philosophies considered may include East Asian, South Asian, Latin American, African, Middle Eastern, and Indigenous.

PHIL 3000 - Ancient and Medieval Philosophy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

The course is a study of the topics, problems, and doctrines of ancient and medieval western philosophers including the pre-

PHIL 3010 - Modern Western Philosophy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

The course is a study of the topics, problems, and doctrines of modern western philosophers beginning with Descartes and concluding with Kant.

PHIL 3020 - American Philosophy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

The course is a study of major topics and philosophers in the United States from the colonial period through the twentieth century including Jefferson, Emerson, Royce, DuBois, James, and Dewey.

PHIL 3030 - Existentialism

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

A study of Existentialism and Phenomenology including their historical roots in the nineteenth century, their major exponents of the late nineteenth and early twentieth century 0.24(n) 0.2 (the) 0.2 (n

PHIL 3120 - Philosophies of Peace

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

Philosophies of Peace introduces students to the texts, figures, movements, theories, and practices in the study of peace from western and non-western perspectives. Figures may include Tolstoy, Gandhi, and Thoreau. Selected topics include just war theory, positive and negative peace, nonviolence, and art and peace.

PHIL 3130 - Feminist Philosophy

3

American world with focus on the concepts of critique, history, modernity, idealism, and the significance of the human sciences. Figures may include Mill, Hegel, and Marx.

PHIL 4010 - Contemporary Western Philosophy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

The course is a study of major movements in twentieth century western philosophy, including positivism, pragmatism, phenomenology, philosophy of language, and post-modernism, and of the impact of these philosophical movements on other areas including the arts, sciences, and politics.

PHIL 4200 - Indian Philosophy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

The course is a study of important texts, schools, and figures of the Indian philosophical and cultural tradition. Texts include the

PHIL 4400 - Directed Study

1-3 Credit Hours

Prerequisite: Approval of the instructor and department chair prior to registration.
Special topics of an advanced nature not in the regular course offerings.

PHIL 4450 - Major Figures in Philosophy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: At least two upper-division courses in philosophy or permission of the instructor.

An in-depth examination of a major figure in western or non-western philosophy from the ancient to contemporary periods. Figures may include Plato, Aristotle, Confucius, Patanjali, Dogen, Spinoza, Irigaray, Heidegger, and James. Course may be repeated if the course content is different.

PHIL 4460 - Major Themes in Philosophy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: At least two upper-division courses in philosophy or permission of the instructor.

An in-depth examination of a major theme in the history of philosophy. Topics may include time, justice, love and friendship, beauty, materialism, aesthetics, epistemology, and metaphysics.

Notes: Course may be repeated if the course content is different.

PHIL 4490 - Special Topics in Philosophy

1-3 Credit Hours

Prerequisite: ENGL 1102

Physics

PHYS 1111 - Introductory Physics I

4 Class Hours 0 Laboratory Hours 3

PHYS 2211 - Principles of Physics I

4 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in MATH 1190

This course is an introductory calculus-based course on classical mechanics, waves, and special relativity. The student will be able to apply Newton's laws and conservation of energy and momentum to various problems in kinematics and dynamics, use the law of universal gravitation to analyze the behavior of falling objects and objects in orbital motion, describe simple harmonic motion, oscillations, and waves, and explain the basic ideas of special relativity.

PHYS 2211L - Principles of Physics Laboratory I

0 Class Hours 2 Laboratory Hours 1 Credit Hours

Corequisite: PHYS 2211

PHYS 2211L is an introductory laboratory for the calculus-based course on classical mechanics, and waves. The student will be able to apply Newton's laws and conservation of energy and momentum to various problems in the laboratory, and perform measurements of simple harmonic motion, oscillations, and waves. The analysis of sources of error and formal propagation of uncertainties will also be developed, as well as graphical techniques and the method of least-squares fits.

PHYS 2212 - Principles of Physics II

4 Class Hours 0 Laboratory Hours 3

Phys 3230 - Optics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Grades of "C" or better in PHYS 2212/2212L

PHYS 3230 will present fundamentals and applications of geometric and physical optics.

Students will study electromagnetic waves as formulated by Maxwell's equations. The laws of refraction of reflection along with the theories of interference and diffraction will be presented. Students will also learn how some optical devices and lasers work.

PHYS 3260 - Mathematical Physics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Math 2255, PHYS 2212

This course students will review mathematical techniques that are often used in upper-level physics courses. Students will learn to apply linear algebra, differential equations, vector calculus, Fourier series, Fourier transforms, Bessel functions, Legendre polynomials, and complex analysis to solve problems in physics.

PHYS 3310 - How and Why - The Physics in Everyday Life

2 Class Hours 2 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in any core lab science sequence.

This course focuses on fundamental physics concepts, including mechanics, optics, electricity and magnetism, and how we can use them to explain "how and why" everyday systems work.

Students will build devices and conduct hands-on laboratory activities that illustrate these concepts and demonstrate how we can use these concepts to explain the operation of common technologies.

Notes: Students with credit in PHYS 1111/1112 or PHYS 2211/2212 may not take this course without permission of the instructor.

PHYS 3340 - Electronics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: A grade of "C" or better in PHYS 1112 or PHYS 2212.

The primary objective of this course is to present the fundamental principles of analog and digital electronic circuitry and their application to modern technology. The course will develop basic circuits and their components, leading to the p-n junction and its use in diodes and transistors, with a particular emphasis on applications for signal processing, as well as the fundamentals of logic gates and flip-flops and their use in digital electronics.

PHYS 3410K - Electronics Laboratory

1 Class Hours 3 Laboratory Hours 2 Credit Hours

PHYS 3730 - Relativity

In this course students will apply quantum mechanics to solid materials. Students will study the binding forces and bonding theory in solids along with the mechanical, thermal, and electrical properties of solids. If time permits, an application to solid-state devices will also be presented.

PHYS 4250 - Quantum Theory of Two-State Systems

2 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: A grade of "C" or better in MATH 2202, and PHYS 2212/2212L

PHYS 4490 - Special Topics in Physics

1-4

Political Science and International Affairs

POLS 1101 - American Government

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Successful completion of English Learning Support, if required. Successful completion of Mathematics Learning Support or concurrent registration, if required.

This course examines the institutions and processes of American government and Georgia State government. Global comparisons are made between the governments of the U.S. and other modern nation-states.

Notes: Offered as an online course.

POLS 2212 - State and Local Government

3

Global Issues is an introductory survey course designed to introduce the students to numerous current issues confronting the globe's policy-makers and populations. Specifically, the course provides an opportunity for diversity in the students' educational program and provides information that fosters global understanding and engagement.

POLS 3300 - U.S. Constitution and Courts

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 1101.

This course provides an overview of American law. The course covers the basic design and structures of the United States court system, trial and appellate legal process, and Constitutional law basics including governmental powers and civil rights and liberties.

Notes: Offered as an online course.

POLS 3310 - Foundations of Public Policy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 1101 or permission of instructor. Corequisite: na

This course serves as a general survey of public policy, beginning with efforts to define public policy through the most modern efforts to explain how public policy is made. Key themes include a comparative look at the development of public policy in democracies, including the stages of policymaking, punctuated equilibrium, issue networks, institutionalism, symbolism, and theories designed to explain the link between policy alternatives and the problems they are designed to solve.

POLS 3313 - Public Policy Analysis

The constitutional powers and limitations of national legislative, executive and judicial branches are examined. The course includes analyses of the constitutional relationship of these political institutions to each other and to the states.

POLS 3320 - Legal Research

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 1101.

An introduction to legal resources for law-related courses and to problems that demonstrate the effective utilization of legal research and reference tools in a manner designed to meet the needs of the student in both law and non-law fields. An understanding of legal rules is necessary for scientists, archaeologists and other professionals.

POLS 3328 - African American Politics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 1101.

This course is an intensive introduction to ideologies, theories, and empirical research on the

Notes: Offered as an online course.

POLS 3350 - American Foreign Policy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 1101.

POLS 3380 - Mass Media and Politics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 1101.

Examines the role of the mass media in society. Emphasis is placed on the media's role in the social, legal and political processes in the United States, as well as other democratic and nondemocratic countries.

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POLS 4100 -

POLS 4400 - Directed Study

1-3 Credit Hours

Prerequisite: POLS 110 or permission of instructor for to
registration.

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POLS 4402 -

3 Class Hours

Prerequisite:

Examines the natu

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States.

POLS 4405 - Comp

3 Class Hours 0 Labo

Prerequisite: POLS 110

An examination of the ways

of the Constitution that affect criminal justice. An attempt to understand the content of important decisions in this area as well as the reason given by the Court for decisions.

POLS 4412 - Urban Affairs and Problems

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 1101.

POLS 4430 - International Law and Organization

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 2250.

This course examines the system of law governing relations between nation-states, and the roles and functions of international organizations. It explores the conventional international law in the areas of diplomacy, territorial questions and armed conflicts, as well as the developing regimes in trade and human rights. In addition, the course examines the structures and functions of some contemporary organizations in the security and economic areas and evaluates their performance and contribution.

Notes: Offered as an online course.

POLS 4431 - Politics of International Terrorism

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 1101.

A study of the history and tactics of modern terrorism as well as efforts by modern government to counteract them.

POLS 4433 - European Union Politics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 1101.

This course explores the politics and policy-making processes of the European Union (EU). It is divided into three parts. The first part addresses the history of European integration and the

POLS 4436 - Politics of Developing Areas

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 2240 or POLS 2250.

POLS 4444 - Administrative Practices and Organization

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 1101.

Problems of personnel, finance, administrative law, and the growth and significance of administrative legislation and adjudication.

POLS 4446 - Governmental Budgeting

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 1101.

This course is designed to introduce undergraduate students to the role of budgeting in the governmental process. Budgetary actors, their motivations, their stakes and their behaviors are investigated. Students examine the legislative process of the budget and budgetary implementation. Students are introduced to cutback management, funding mandates and other current issues in governmental budgeting.

POLS 4448 - Russian Politics and Culture

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 1101

This course examines the unique political traditions and governing institutions of Russia by examining the pre-communist, communist, and post-communist periods.

POLS 4449 - Russian Foreign Policy

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 2250

This course examines the international relations of Eurasian states, with particular reference to the Russian Federation's position in the global security, political, and economic realms, past and present. It covers both intra-Eurasian relations, as well as Russia's relations with the outside

POLS 4454 - Politics of the Middle East

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: POLS 1101.

This course examines contemporary socio-political and economic characteristics needed to understand the many countries of the Middle East/North Africa. The role of Islam, the Gulf war,

POLS 4465 - Mock Trial

1 Class Hours

Notes: Offered as an online course.

POLS 4499 - Senior Seminar

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Satisfactory completion of 18 hours of upper-division major and/or concentration-related requirements; at least 9 hours of which must be political science courses meeting the upper-division major requirement.

This capstone course is designed to complete the major by integrating the problems, research and theories from the divergent specialty areas of the Political Science curriculum. The course will focus on both the theoretical and empirical concerns, as well as the interconnectedness among the various Political Science specialty areas.

Notes: Offered as an online course.

PORT 2001 - Intermediate Portuguese Language and Lusophone Cultures I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Two years of high school Portuguese or PORT 1002 or the equivalent.

The student will continue to develop proficiency in listening, speaking, reading, and writing, and learn to communicate in culturally appropriate ways. Not open to native speakers of Portuguese.

PORT 2002 - Intermediate Portuguese Language and Lusophone Cultures II

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Three years of high school Portuguese or PORT 2001 or the equivalent.

Students continue to increase linguistic and cultural proficiency through the use of a variety of materials and activities. Not open to native speakers of Portuguese.

PORT 3200 - Advanced Reading and Writing in Portuguese

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PORT 2002 or permission of the instructor.

This course emphasizes skill development and refinement in the areas of critical reading and writing in Portuguese. It is designed to give students extensive experience in reading and writing in Portuguese and on Lusophone Linguistic and Cultural issues.

PORT 3302 - Conversation in Portuguese

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PORT 2002 or permission of the instructor.

This course emphasizes skill development and refinement in the areas of critical thinking through discussion in Portuguese. It is designed to give students experience in conversation in Portuguese and on Lusophone Linguistic and Cultural issues.

PORT 3304 - Introduction to Lusophone Literatures and Cultures

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PORT 3200 or permission of the instructor.

This course introduces literary and cultural texts to the Advanced-level student in Portuguese. It is designed to give students extensive experience in reading and writing in Portuguese and on Lusophone Linguistics and Cultural issues as they appear in literature of the Lusophone world.

PSYC 3270 - Engineering Psychology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PSYC 1101

This course provides a survey of the applied areas of psychology, which has proven useful in the design of equipment for human use and in the design of man-machine systems. This course is offered at a beginning level and is conducted as a lecture course. The content is basically psychological, but the emphasis is on how psychological knowledge can be applied in the design or organization of machines, equipment or systems intended for human use.

PSYC 3273 - Forensic Psychology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PSYC 1101

This course provides the student with an overview of the theories that support the utilization of psychology in the legal system and how those theories and psychological research are applied in law enforcement, the courts, and in corrections. Although the focus in the course is primarily on the United States, some attention is devoted to an international view of forensic psychology.

PSYC 3301 - Experimental Design and Analysis

3 Class Hours 2 Laboratory Hours 4 Credit Hours

Prerequisite: PSYC 2300

In this course, students examine experimental designs used in psychological research. Topics include the selection of appropriate experimental designs for different research questions, hypothesis testing, independent-groups and within-subjects designs, complex designs, data collection strategies, statistical analysis using t-tests and analysis of variance, the interpretation of results, and the writing of research reports. Laboratory work is designed to enable students to apply course topics.

PSYC 3305 - Life-Span Developmental Psychology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PSYC 1101

Human development from conception to death, emphasizing biological, cognitive, emotional, social and personality development. Scientific approaches for studying developmental psychology will stress the importance of research methodology and research findings across the life-span. Theories of development and applications to real-world problems will provide a context for understanding how humans change during the life-cycle.

PSYC 3335 - Theories of Personality

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PSYC 2300

This course surveys classic and current theories of personality that represent several of the major perspectives in psychology (e.g., psychoanalytic, biological, developmental, behavioral, humanistic, cognitive, sociocultural), highlighting the contributions of each theory to personality

PSYC 3370 - Industrial-Organizational Psychology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PSYC 1101

The application of research and psychological principles to human behavior in the workplace. Course topics will include the psychological aspects of employment selection and assessment, performance appraisal, employee and work team development, reorganization and downsizing, work stress, employee violence, work/family conflict, and the changing nature of the workplace.

PSYC 3395 - Psychology of Prejudice and Privilege

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PSYC 1101

Empirical findings are presented and discussed that allow for the critical evaluation of the role of religion and spirituality in understanding human motivation, cognition, behavior, and individual differences in personality. Students will examine findings on contemporary psychobiological thinking and religion; varieties of religious experience; religion/spirituality in childhood; and the role of religion in morality, psychopathology, and coping.

PSYC 4000 - International Psychology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PSYC 1101

This course examines mainstream as well as alternative theoretical, methodological, and applied approaches that are relevant to the study and practice of international psychology. The topics

This course is offered to students interested in investigating special topics and seminars external to regular course offerings. May include original research projects. A maximum of 6 hours of PSYC 4400 may be used towards satisfying the upper division major requirements. A maximum of 9 hours of PSYC 4400 is permitted overall.

PSYC 4410 - Physiological Psychology

4 Class Hours 0 Laboratory Hours 4 Credit Hours

Prerequisite: PSYC 2300

This course addresses the relationship between our underlying physiological systems and behavior. The topics investigated include neural communication, the anatomy of the nervous system, and the biological bases of sleep, reproductive behavior, stress, learning and memory, and mental disorders.

PSYC 4415 - Perception

4 Class Hours 0 Laboratory Hours 4 Credit Hours

Prerequisite: PSYC 2300

The subject matter of the course includes the physical properties of stimuli, the psychological methods of investigating perception, the anatomy and physiology of the sense organs, the central processing of stimuli, and demonstrations or laboratory investigations of sensory phenomena.

PSYC 4420 - Ethics and Professional Issues in Applied Psychology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One 3000-level psychology course

A critical analysis of professional issues and the ethical standards in the practice of psychology. Traditional and emerging practice areas will be discussed. Topics such as licensure, prescription drug privileges, managed care, and treatment efficacy research will be explored. Ethical standards and decision-making will be studied in the context of professional practice.

PSYC 4430 - Abnormal Psychology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One 3000-level psychology course

This course provides an overview of the major categories of mental disorders, including current research on their classification, features, etiology, course, and treatment. Students also examine diagnostic processes and ethics as related to research and treatment with clinical populations.

PSYC 4440 - Clinical and Counseling Psychology: Science and Practice

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One 3000-level psychology course

task of the child clinician is to identify and treat those children who suffer from emotional and/or behavioral problems that significantly interfere with their development and functioning.

PSYC 4475 - Psychology of Workplace Motivation and Leadership

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One 3000-level psychology course

This course examines topics of motivation and leadership in the workplace by addressing theoretical formulations, major research findings and real-world applications. Issues related to these topics will include gender, corporate culture, job attitudes, cross-cultural influences and organizational reward systems.

PSYC 4480 - Field Practicum in Psychology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: PSYC 3301 , a GPA of at least 3.0 overall and in psychology, completion of two placement-related courses, submission of an application before registration, approval of department faculty, and permission of the instructor

The psychology field practicum offers the advanced psychology major an opportunity to combine appropriate supervised field experience with classroom discussion of site-specific and

PSYC 4490 - Special Topics in Psychology

Variable 1-3 Credit Hours

the nature of real property; the legal instruments involved in real property transactions; market analysis and the determinants of real estate values; the appraisal process; investment and financial analysis; and the public policy aspects of real estate planning and utilization.

RE 4500 - Real Estate Finance

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Business Majors: Sophomore GPA Requirement and FIN 3100 ; Non-business Majors: 60 credit hours, FIN 3100, and permission of the Coles College of Business.

Examines the principles and procedures of real estate appraisal, the transfer process for property, and financing methods for residential and commercial real estate. Studies the income and cost of developing and managing real property and analyzes real estate as an investment.

Religious Studies

RELS 4400 - Directed Study

1-3 Credit Hours

Prerequisite: Approval of instructor and department chair prior to registration.

In this course the selected topic of an advanced nature not serve by the existing curriculum is investigated by a student working with a supervising faculty member.

RELS 4490 - Special Topics in Religious Studies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102 or RELS 1102

This course is a study of selected special topics of interest to faculty and students.

Notes: This course may be repeated with a change in content.

Renewable Energy Engineering Technology

REET 1000 - Energy Fundamentals

3 Class Hours 0 Laboratory Hours 3 Credit Hours

This course provides an introduction to energy fundamentals. The course starts by looking at our societies current energy generation practices and gives a brief overview of the wide range of sustainable alternatives available now and in the future. Topics discussed include energy, power, and efficiency. In addition to power generation, the students will also explore topics of energy storage and transmission. The course will culminate in freshmen design experience that will tie all the concepts together.

REET 2020 - Energy Conversion

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: REET 1000 , and ECET 2111

This course starts with the introduction to both traditional and renewable energy conversion.

Emphasis is placed on renewable energy, especially solar and wind. Fundamentals of electro-mechanical energy conversion follows. Theory of operation and operati 50.2 (fo) 0.2 6T Qq 0.. 72 226.08 ci

REET 4100 - Solar Photovoltaics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ECET 2300

The course starts with studying the semiconductor principles of photovoltaic power generation and provides an overview of current materials used in cell fabrication. The organization of solar cells within panel structures are then addressed, as well as the necessary technologies for interfacing these panels to off-grid and on-grid power distribution networks. The course finishes up with a design project where students will be asked to estimate energy needs and create an appropriate system for meeting these needs.

REET 4110 - Solar Thermal Systems

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MET 3401

The course starts with a review of basic definitions of thermodynamics and Thermodynamic cycles. General concepts of thermal radiation, radiation properties, radiation intensity and heat exchange between surfaces will be studied. This section includes solar radiation, solar geometry and solar angles, and solar irradiation. Then solar thermal conversion, collectors, central receivers, distributed receivers, heliostat fields, thermal storage systems and hybrid plants and applications of technology in residential and industrial market will be covered. The course finishes up with a design and energy simulation of solar thermal systems.

REET 4200 - Wind Power Generation

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: REET 2020 , and MET 3101

The course consists of two parts, mechanical and electrical. The mechanical part starts with a review of fluid mechanics. Then the principles of wind power, maximum power, actual power and force analysis on the blades, mean wind and energy velocities will be studied. The Magnus Effect, the lift force the drag force and different wind turbine designs will be covered. The electrical part: designing a wind turbine system that can generate power with high efficiency requires a thorough understanding of the principles of aerodynamics of the rotor system. The influence of the number of blades, the tilt angle of the blades on the power output of the wind turbine will be covered. The current-voltage characteristic of wind turbine with constant rotation speed and constant wind speed will be studied. The construction, operation and speed control of three-phase induction motors will be thoroughly covered. The course ends up with a

REET 4210 - Oceanic and Hydropower Generation

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MET 3401 , and MET 3101

General concepts of thermodynamic processes and cycles will be reviewed in the beginning. The course has two different sections. In the first section, "Energy from the Ocean" will be studied. In this section, first "Ocean Temperature Energy Conversion" (OTEC) will be discussed and then "Open and closed OTEC cycles" will be covered. This section will be continued with ocean waves, wave motion, energy and power from waves, wave-energy conversion by floats, different types of "wave machines" and poll tidal systems. In the second section, other "Hydropower generation methods" will be addressed. In this section, different types of hydropower generation such as hydroelectric dams, run-of-the-river hydroelectricity, and pumped-storage hydroelectricity will be discussed. This section includes different types of impulse and reaction water turbines. The course concludes with a design project of a "Hydropower Generation System".

REET 4500 - Environmental Aspects of Power Generation

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: REET 1000 , Junior Standing

This course examines the environmental impact of electrical power generation. The environmental impact of traditional power generation schemes such as coal, hydroelectric, nuclear, and fossil fuels will be examined along with the impact, as well as the potential impact, of Renewable Energy sources such as solar, wind, oceanic and fuel cells.

REET 4510 - Sustainable Transportation Systems

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ECET 2300 , and CHEM 1211

This course will explore the pros and cons of alternative transportation systems including electric, hybrid, compressed air, and fuel cell vehicles. Topics explored include infrastructure requirements, overall system efficiencies, and hidden costs of implementation. The course finishes up with a focused transportation system analysis.

Russian

RUSS 1001 - Introduction to Russian Language and Culture I

SCI 3365 - Earth Watch: Examining Global Environmental Issues

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: SCI 1102

An examination of the integrative nature of environmental sciences; emphasis on human interactions with world environments. Discussions will focus on case studies, environmental problem-solving, and the development of a personal ecological ethic. Ecological principles of population, community, ecosystem and biosphere will be integrated in the case studies.

SCI 4700L - Applied Environmental Studies

2 Class Hours

SCED 3010 - Perspectives in Teaching Science

2 Class Hours 3 Laboratory Hours 3 Credit Hours

Prerequisite: EDSM 2010 and Admission to Teacher Education

Students apply and extend their understanding of knowing and learning in science by surveying the history of science and science education reform for application to teaching practice.

Students deepen their ability to relate practices of modern science to their developing perspective on learning and teaching science as they analyze curricula and design reform-based

SED 3398 - Internship

1-12 Credit Hours

Prerequisite:

explore questions about how individual and group expectations about gender behavior are created and sustained.

SOCI 3305 - Research Methods in Sociology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: SOCI 1101 and SOCI 2210

This course provides an introduction to concepts and techniques used in social science research. Students acquire a foundational understanding of research methods in sociology, learn how to link theory and data, and examine the ethical considerations required for social research.

Notes: Offered as an online course.

SOCI 3310 - Introduction to Gerontology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: SOCI 1101 or PSYC 1101

Introduction to the multi-disciplinary field of gerontology which provides an overview of the

SOCI 3320 - Exploring the Aging Network

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: SOCI 1101 or PSYC 1101

The class explores through field trips and speakers the range of services and programs that relate to aging in the Atlanta region and rural Georgia. The goal is to immerse students in the aging network so that they develop contacts, resources and knowledge for use in the family as well as work settings. The grade for the course will be based on attendance at field trips, online discussion and a paper related to the student's major, career path, and personal goals for the course.

SOCI 3324 - Sociology of Gender

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: SOCI 1101

This course examines gender as a major organizing principle in society and explores the ways in which gender intersects with other types of social differentiation including race, sexuality, social

SOCI 3364 - Sociology of the Family

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: SOCI 1101

SOCI 4420 - Advanced Quantitative Research Methods in Sociology

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: SOCI 3305 , MATH 1107 , and SOCI 3300 Concurrent:

SOCI 3300

This course examines the concepts and techniques used for quantitative research in sociology. Students learn to interpret, calculate, and critique the basic statistics used in quantitative

SOCI 4442 - Deviance and Social Control

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: SOCI 1101

A survey of the nature, causes, and consequences of deviant behavior. Provides an analysis of the problems of definition, identification, explanation, and social reaction to violations of institutional expectations.

SOCI 4464 - Population

3 Class Hours 0 Laboratory Hours

SWE 3623

SWE 4663 -

understanding of the practices and products of Hispanic cultures. Not open to native speakers of Spanish.

SPAN 2001 - Intermediate Spanish Language and Culture I

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Two years of high school Spanish or SPAN 1002 or the equivalent.

The student will continue to develop proficiency in listening, speaking, reading, and writing, and learn to communicate in culturally appropriate ways. Not open to native speakers of Spanish.

SPAN 2002 - Intermediate Spanish Language and Culture II

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Three years of high school Spanish or SPAN 2001 or the equivalent.

Students continue to increase linguistic and cultural proficiency through the use of a variety of materials and activities. Course will serve as a transition between intermediate and upper-level courses in Spanish. Not open to native speakers of Spanish.

SPAN 2003 - Accelerated Intermediate Spanish Language and Culture

6 Class Hours 0 Laboratory Hours 6 Credit Hours

Prerequisite: Two years of high school Spanish or SPAN 1002

This accelerated intermediate level course in Spanish language and culture covers in one semester the materials presented in SPAN 2001 and SPAN 2002. The course stresses continued, progressive acquisition of effective communication skills in both the written and spoken language and an understanding of the practices and products of Hispanic cultures.

SPAN 2032 - Spanish for Health Professionals

3 Class Hours 0 Laboratory Hours 3 Credit Hours

SPAN 4402 - Contemporary Culture

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: SPAN 3304 or SPAN 3305

An examination of the historical, social, and political contexts of the contemporary Hispanic experience through the analysis of different cultural representations such as film, media, plastic

SPAN 4499 - Senior Seminar

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: SPAN 3304 and SPAN 3305 and senior status.

This is a capstone course designed to synthesize and connect the student's prior academic experiences in the major and related fields of study. Students will prepare a reflective essay and a research paper to present to the faculty. Papers and presentation in Spanish.

SM 3900 - Foundations of Recreation and Leisure

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: SM 2100 , minimum 2.75 Institutional GPA.

This course provides a foundation for the study of recreation and leisure and the organizations

SM 4490 - Special Topics in Sport Management

1-3 Class Hours

Prerequisite: SM 2100 , minimum 2.75 Institutional GPA.

This course covers selected topics of interest in sport management that are not regularly offered by the Department of Exercise Science and Sport Management.

SM 4600 - Research Methods in Sport Management

3 Class Hours 0 Laboratory Hours 0 Credit Hours

Prerequisite: SM 2100 , minimum 2.75 Institutional GPA.

This course provides students with an overview of the research process applied in the study of sport management. Students are introduced to experimental design, data gathering techniques, and statistical concepts and methods applicable to the sport management discipline. Students

This capstone course for the Sport Management major integrates the major coursework with field-based experience. Two-thirds of the course is devoted to a practicum field experiences at a site, which is located by the student and pre-approved by the instructor prior to the beginning of the semester. Contemporary issues, problems, research and theories are discussed. Additional course content includes: strategies for seeking internship and entry-level employment, long-term career planning, and post graduate study options.

SM 4950 - Senior Internship in Sport Management

0 Class Hours 36 Laboratory Hours 12 Credit Hours

Prerequisite: SM 4900 , 90+ credit hours, minimum 2.75 Institutional GPA.

This course provides students with an opportunity for an in-depth work experience at an approved sport management internship site. Students are expected to acquire relevant skills and develop a professional network in order to prepare for entry-level employment in the sport marketplace.

Statistics

STAT 3010 - Computer Applications of Statistics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MATH 1107 or ECON 2300 or STAT 3125 or MATH 3332

This course is an introduction to the use of computer-

STAT 3125 - Biostatistics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: BIOL 1107 or CHEM 1212 or permission of the instructor.

In this course students use descriptive statistics and visual displays to describe data. They learn about some common population and sample distributions. They perform and analyze results of statistical inferences, including confidence intervals, correlation, linear regression, odds/risk ratios, and hypothesis testing (F and T-tests for regression, Chi-square for independence, 2 group and paired sample t-tests). Analyses are performed using MS-Excel. The student is required to select, analyze and interpret real life data for a project.

STAT 3130 - Statistical Methods II

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: STAT 3010 and (STAT 3120 or STAT 3125)

Students continue to build their foundation in statistical methods in this course beginning with review of t-tests. They perform and analyze results of Wilcoxon Signed Rank and Rank Sum tests (Non-Parametric t-tests), ANOVA, Kruskal Wallis (Non-Parametric ANOVA) and Multiple Regression. These concepts are taught with heavy emphasis on statistical computing software (especially SAS) and real world datasets.

STAT 3396 - Cooperative Study

1-3 Credit Hours

Prerequisite: Approval of the coordinator of cooperative education/internship.

This course is a supervised work experience program for a minimum of two academic semesters at a site in business, industry, or government. It is for sophomore, junior, or senior-level students who wish to obtain successive on-the-

STAT 4025 - Clinical Trial Design

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: STAT 3125 or STAT 3120

The course introduces students to statistical concepts used to design clinical trials, or randomized studies of humans. Students will be able to design, conduct, and analyze clinical trials in the format required by the Food and Drug Administration. The topics include endpoint definition, sources of bias, randomization schemes, types of blindness, phases of clinical studies (I-IV), hypothesis formation, sample size determination, patient recruitment, adverse events, and protocol development.

STAT 4030 - Programming in R

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: STAT 3010 or STAT 3125

This course in statistical computing uses the R/S-Plus programming environment for data management, and basic statistical analysis. The overall objective of this course is to prepare students to use the R package in practical statistical/quantitative application. Topics covered include object-oriented programming, porting data, general data management, basic statistical analyses, and writing customized user-defined functions.

STAT 4120 - Applied Experimental Design

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: STAT 3130

Methods for constructing and analyzing designed experiments are the focus of this course. The concepts of experimental unit, randomization, blocking, replication, error reduction and treatment structure are introduced. The design and analysis of completely randomized, randomized complete block, incomplete block, Latin square, split-plot, repeated measures,

theory underlying statistical measures of disease rates. They also are expected to give a presentation and write a paper.

STAT 4210 - Applied Regression Analysis

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: STAT 3130

Topics include simple linear regression, multiple regression models, generalized linear model, multicollinearity, qualitative predictor variables, model selection and validation, identifying outliers and influential observations, diagnostics for multicollinearity, and logistic regression and discriminant analysis.

STAT 4310 - Statistical Data Mining

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: STAT 3130 or permission of the instructor.

Data Mining is an information extraction activity whose goal is to discover hidden facts contained in databases, perform prediction and forecasting, and generally improve their performance through interaction with data. The process includes data selection, cleaning, coding, using different statistical, pattern recognition and machine learning techniques, and reporting and visualization of the generated structures. The course will cover all these issues and will illustrate the whole process by examples of practical applications. The students will use recent SAS Enterprise Miner software.

STAT 4330 - Applied Binary Classification

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: STAT 4210

Binary Classification is a heavily used concept in statistical modeling. Common applications include credit worthiness and the associated development of a credit risk score, fraud detection, the presence of a disease or the identification of manufacturing units which fail inspection. Students will learn how to use logistic regression, odds, ROC curves, and maximization functions to apply binary classification concepts to real-world datasets. This course will utilize SAS-software and students are expected to have a strong working knowledge of SAS.

STAT 4400 - Directed Study

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: Approval of the instructor, major area committee, and department chair.

Special advanced topics external to regular course offerings.

STAT 4490 - Special Topics in Statistics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: STAT 3130

Special topics of interest to faculty and students.

Study Abroad

KSU offers study abroad opportunities in a wide variety of countries and disciplines. All study abroad courses, whatever their discipline or level of study, are listed as SA courses for purposes of registration and administration. Full course titles appear on students' transcripts. Computer numbers necessary for registration in SA courses are communicated to students by letter after they have been accepted into a study abroad program and paid a deposit. For more information, contact the Institute for Global Initiatives, Humanities 201, (770)423-6336.

SA 2290 - Lower

0-12 Credit Hours

Prerequisite: Varies with discipline and subject.

Upper division study abroad course denoting junior, senior level work.

Survey

SURV 2110 - Introduction to Mapping

3 Class Hours 3 Laboratory Hours 4 Credit Hours

Prerequisite: MATH 1113

Introductory class in basic surveying and mapping skills including geographic information systems (GIS). Topics include scales, leveling, horizontal measurements, GPS mapping,

SURV 3320 - Photogrammetry and Remote Sensing

2 Class Hours 3 Laboratory Hours 3 Credit Hours

Prerequisite: SURV 2221

Analysis and interpretation of photographic and satellite imagery; vertical and orthography; ground control; project planning; digital softcopy methods.

SURV 3330

SURV 4110 -

to problem solving. Foundation of data manipulation and preparation for problem analysis. Development of communication skills, career opportunities, importance of professionalism, ethics, contemporary challenges, lifelong learning, and introduction to the department. How to plan for graduation and other useful items are also included.

ISYE 2600 - Applications of Probability

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MATH 1190

This course covers axioms of probability, continuous and discrete distributions used in engineering, sampling distributions, expectation, conditional probability, central limit theorem, and introduction to Poisson Processes.

ISYE 3100 - Systems Reliability & Maintainability

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ISYE 2600 and Engineering Standing

a Term Project where the student will use the concepts presented in this course to create a quality control plan for an organization that includes an acceptance sampling plan, a control chart, and a warranty recommendation based on reliability theory.

ISYE 3150 - Design & Improvement of Quality Processes

3 Class Hours 0

ISYE 3400 - Engineering Optimization: Deterministic Decision Models

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MATH 3260 and Engineering Standing

This course focuses on deterministic methods of operations research and their applications. Constructing models, employing modern modeling languages, and understanding general

ISYE 3801 - Aerodynamics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: MATH 2202 & Engineering Standing

An introduction to aerodynamics; including circulation theory of lift, thin airfoil theory, viscous flow, boundary layer, finite wing theory, and drag in incompressible flow.

ISYE 3802 - Aircraft Design & Performance

3

This course is an analysis of decision-making in the current production environment. Topics include learning curves, manufacturing and service processes, waiting line analysis, process design, Lean supply chains, and Theory of Constraints.

ISYE 4320 - Advanced Logistics

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite:

Selected special topics of interest to faculty and students. This course may be taken more than once.

ISYE 4500 - System Modeling & Simulation

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ISYE 2600 and Engineering Standing

This course covers modeling and simulation of systems. Topics include basic simulation and system modeling techniques, random sampling procedures, input analysis, output analysis and system evaluation. Practical implementations using common modeling languages and simulation software are emphasized.

ISYE 4801 - Aircraft Propulsion

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ISYE 3801 & Engineering Standing

This course involves preliminary design, subject to specifications, of an air-breathing engine for aircraft propulsion. This course discusses cycle calculations, installed performance and engine sizing information. Design and integration of components and support systems are explored. Propeller theory is introduced.

ISYE 4802 - Helicopter Theory

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ISYE 3801 & Engineering Standing

The course is designed for students interested in helicopter theory as an application of lar 0.2sted i.7 15 (fo

systems engineering process. There is a formal report and a defended oral presentation required before industrial and academic experts.

ISYE 4900 - Senior Design Project

1 Class Hours 4 Laboratory Hours 3 Credit Hours

Prerequisite: Engineering Standing Concurrent:

ISYE 4200 and ISYE 4500

SYE 3700

TCOM 2030 - Research in Technical Communication

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TCOM 2002 , MATH 1107 , and TCOM 2010

The course is an introduction to research methods used by practitioners and scholars in technical communication. Students explore the relationship between theory and research and learn how to design and carry out empirical studies using both quantitative and qualitative methods. Emphasis is placed on the research methods used in workplace settings to design user-centered information products and to test their usefulness and usability.

TCOM 3020 - Designing Effective Proposals

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TCOM 2010 and TCOM 2030

The course covers the theory and practice of writing proposals for business, industry, and non-profit organizations, with emphasis on in-house planning and external grant-seeking proposals. Course covers persuasion theory and strategies while leading students step-by-step through the proposal development process. Students develop skills in gathering and evaluating information, analyzing audiences, collaborating with peers and clients, building arguments, writing clearly and cogently, and designing visually effective documents.

TCOM 3030 - Instructional Design

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: DWMA 3430

The course introduces and applies systematic instructional design and instructor-led training. Students study a major model of instructional design and apply it to develop and refine a unit of instruction. Students prepare and deliver a training lesson, participate in team instructional design activities, and evaluate the training developed and presented by other students.

TCOM 3045 - Fundamentals of Information Design

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TCOM 2010

The course introduces students to the principles and best practices of effective information design for both print and electronic media. Students apply rhetorical and gestalt principles to an analysis of information products. Students also redesign products to reflect good principles of information design, and they report on the rationale for these redesigns, showing the ways in which design principles have been effectively applied.

TCOM 3070 - User Assistance

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TCOM 2010

This course explores the concepts and strategies necessary for designing effective user assistance in its many forms. The course emphasizes effective task-oriented design while introducing important industry trends like topic-based authoring, single sourcing, project planning, structured authoring, and DITA basics.

TCOM 3130 - Technical Communication: Theory, Ethics, and Practice

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TCOM 2002 , TCOM 2010 , and TCOM 2030

This course examines a range of theories that have shaped technical communication thought and practice in the twenty-first century. This course also focuses on ethical issues in technical communication through case studies and other readings. The course exposes students to the

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TCOM 2002 , TCOM 2010 , and TCOM 2030

This course introduces students to UX (User Experience) and usability testing. Included in the course is a review of the relevant research and practical applications of usability testing.

Students learn how to develop strategies for planning, conducting, and analyzing a test. In teams, students perform tests using online testing tools, low-fidelity in-person methods, and formal usability lab settings. A final testing report with qualitative and quantitative results is required.

TCOM 4400 - Directed Study

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite:

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS interest. Successful completion of all Learning Support English requirements.

An introduction to theatre as a field of study and as an art form.

TPS 1600 - Introduction to Performance Studies

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS interest. Successful completion of all Learning Support English requirements.

1-12 Variable Credit Hours

Students will explore special topics relevant to the Department of Theatre and Performance Studies.

TPS 2713 -

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS 1600 or ENGL 2110

The study of Greek and Roman mythology through storytelling performance.

TPS 3193 - Performing World Myth

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS 1600 or ENGL 2110

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS Major, a grade of "B" or better in TPS 2203

An intermediate acting course applying and advancing the principles of Acting I to intermediate level stage challenges.

TPS 3243 -

TPS 3403 - Play Analysis for Production

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS Major. TPS 1500

Textual analysis of playscripts, with an emphasis on the perspective of the practitioner of

TPS 3703 - Musical Theatre History and Literature

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS Major. and ENGL 1102

This course is an introduction to musical theatre which surveys the major shows in musical theatre literature, through the study of the plots, scores, characters, and songs of the shows. Students explore the genre's place and function in theatre history as both an art form and popular entertainment and its influence on culture in general.

TPS 3713 - Acting in Musical Theatre

2 Class Hours 0 Laboratory Hours 2 Credit Hours

Prerequisite: TPS 2203

This course provides students the opportunity to develop an effective acting technique for the musical stage. Through in-class exercises and the study of the scores and libretti from major shows in the repertoire, students will develop performance techniques particular to the musical theatre genre and an appreciation of its diverse styles.

TPS 3813 - Visual Imagination

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS Major. Completion of 24 hours.

A course in the visual aspects of the art of theatre that focuses on the principles, the elements and the history and current p11.76cm 4 151.119.24 0 0 r()] TJ ET Q q 0.24 0 0 0.24 72] TJ ETQ q 0.24 0 (

1 Class Hours 0 Laboratory Hours 1 Credit Hours
Prerequisite: TPS 4015

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS Major. TPS 3403

Students will learn the fundamentals of directing for the stage. Emphasis is on non-realistic period and genre styles. Theoretical studies will be combined with the direction of selected scenes and observation of working directors. *This course may be repeated more than once for credit provided that the course content differs entirely from the previous offering.

TPS 4333 - Adapting and Staging Literary Texts

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS 3000 or permission of the instructor/department.

Aesthetics, methods, and practice in presentational modes of group performance. Emphasis on the selection, adaptation, and staging of poetic, narrative, and nonfiction texts.

TPS 4400 - Directed Study

1-3 Credit Hours

Prerequisite: Approval of the instructor and department chair.

Selected topics of an advanced nature, which may include original research projects.

TPS 4490 - Special Topics

1-3 Credit Hours

Prerequisite: Approval of the instructor and departmental chair.

Topics of special interest to students and faculty.

Notes: This course may be repeated more than once for credit provided that the course content differs entirely from the previous offering.

TPS 4513 - History and Theory I: Ancient through Renaissance Theatre and Performance

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS Major. TPS 3000 and TPS 3403

Studies in the history, theory, and literature of world theatre and performance traditions from ancient times through the Renaissance.

TPS 4523 - History and Theory II: Neoclassical through Romantic Theatre and Performance

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS Major. TPS 3000 and TPS 3403

Studies in the history, theory, and literature of world theatre and performance traditions from the Neoclassical Age through early Modernism.

TPS 4533 - History and Theory III: Victorian through Contemporary Theatre and Performance

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS 3403 and either TPS 3493 or TPS 3600

This course centers on studies in the history, theory, and literature of world theatre and performance traditions from the Victorian period through the contemporary era.

TPS 4813 - Scene Design

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS Major. TPS 3813

Building blocks for scene design with an emphasis on transforming written text into three-dimensional visual language, and working through fundamental scene design problems.

TPS 4823 - Lighting Design for the Stage

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS Major. TPS 3813

Study of lighting design for the stage, including study of lighting instruments and control.

TPS 4833 - Costume Design

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: TPS Major. TPS 3813

Study of principles, methods and processes for costume design for the stage.

professional texts ranging from technical, business, and governmental documents to medical, community-based, and web-based documents.

WRIT 3110 - Playwriting

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One of the following courses: ENGL 2110 , ENGL 2111 , ENGL 2112 , ENGL 2120 , ENGL 2121 , ENGL 2122 , ENGL 2130 , ENGL 2131 , ENGL 2132 , or ENGL 2300

This course is a workshop approach to playwriting that emphasizes original writing, revision, and analysis and response from classmates. Some attention is given to the work of established writers as models.

WRIT 3111 - Professional Editing

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This is a course in editing as a practice and a profession. It focuses on editorial roles and responsibilities and introduces students to the skills, principles, and methods of editing. Course assignments provide ample practice in applying the techniques of editing, including editing for grammar, punctuation, and style. This course prepares students for careers in publishing and writing.

WRIT 3120 - Fiction Writing

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One of the following courses: ENGL 2110 , ENGL 2111 , ENGL 2112 , ENGL 2120 , ENGL 2121 , ENGL 2122 , ENGL 2130 , ENGL 2131 , ENGL 2132 , or ENGL 2300

This course is a workshop approach to fiction writing that emphasizes original writing, revision, and analysis and response from classmates. Some attention is given to the work of established writers as models.

WRIT 3130 - Literary Nonfiction

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: One of the following courses: ENGL 2110 , ENGL 2111

WRIT 3140 - Writing in the Workplace

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course emphasizes strategies for producing effective documents in a variety of professional contexts. Students gain practice with common workplace forms as they master writing clearly and with the needs and expectations of their audiences in mind. This course is particularly valuable to students preparing for careers in business, government, and nonprofit organizations.

WRIT 3150 - Topics in Digital Rhetoric

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course explores rhetorical practices in electronic environments and provides an examination of major works on digital reading, writing, and culture framed by contemporary rhetorical theories. Students plan, design, and compose a variety of rhetorically effective digital texts. This course can be taken more than once provided the course content differs from the previous offering.

WRIT 3160 - Argumentative Writing

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course focuses on the study and practice of argumentative writing. It includes the study of current models of effective arguments and the process of forming written arguments. It features extensive writing and revision, workshop discussion, and readings of classical and contemporary arguments. The course can be taken more than once provided the course content differs entirely from the previous offering.

Notes: These courses can be taken more than once provided the course content differs entirely from the previous offering.

WRIT 3170 - Environmental Writing and Literature

3 Class Hours 0 Laboratory Hours 3 Credit Hours

Prerequisite: ENGL 1102

This course is intended for students interested in major works of environmental literature and for those who wish to think and write about the interconnections between humans and the nonhuman world. The course studies pastoral literature, nature writing, and science writing, and provides instruction in the writing of environmental nonfiction prose for aesthetic, expressive, intellectual, and instrumental purposes.

Notes:

WRIT 4130 - Advanced Creative Nonfiction

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Adebayo, Akanmu, G, Professor of History, PHD, History, 1986, MA, History, 1982, BA, History, 1979

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Aguilar, Rodolfo, Limited Term Assistant Professor of American Studies, PHD, American Studies, 2014, BA, Latin American and Latino Studies, 2007

Akerman, Mary, S, Lecturer of Classical Guitar, MFA, Music, 1978, BMUS, Music Performance, 1976

Akins, Edwin, E, Associate Professor of Architecture, MARCH, Architecture, 1996, BS, Architecture, 1994

Akinyemi, Nurudeen, B, Interim Director of the Center for African and African Diaspora Studies and Associate Professor of Political Science, PHD, International Studies, 1994, MA, Political Science, 1986, BA, Political Science, 1985

Alamilla, Saul, G, Assistant Professor of Psychology, PHD, Counseling/Clinical/School Psychology, 2009, MA, Counseling Psychology, 2006, MS, Counseling, 2004, BA, Sociology, 2002

Albrecht, Eric, A, Associate Professor of Biology, PHD, Biological Sciences, 2000, BS, Biology, 1993

Alexander, Chris, W, Assistant Professor of Chemistry and Biochemistry, PHD, Chemistry, 1993, BS, Chemistry, 1988

Alexander, Donna, L, Limited Term Assistant Professor of Educational Leadership, PHD, Educational Leadership, 2015, EDS, Teaching and Learning, 2010, MED, Business Education, 2005, BSED, Business Education, 2001

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Alme, Karyn, A, Senior Lecturer of Environmental Science, MS, Geology, 2001, BS, Geology, 1994

Amason, Janeen, S, Assistant Professor of Nursing, PHD, Nursing, 2013, MSN, Adult Health, 1995, BSN, Nursing, 1991

Amlaner, Charles, J, Vice President for Research and Professor of Biology, DPHIL, Biological and Agricultural Sciences, 1983, MA, Biology, 1976, BS, Biophysics, 1974

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Anderson, Kami, J, Co-

Astrachan, Joseph, H, Wells Fargo Eminent Scholar Chair of Family Business and Professor of Management, PHD, Organizational Behavior, 1989, MA, Organizational Behavior, 1985, MPHIL, Organizational Behavior, 1986, BA, Social Psychology of Organizations, 1983

Baker, William, E, Interim Executive Director of the Burruss Institute and Assistant Professor of Political Science, PHD, Public Administration, 2001, MA, Urban Affairs, 1978, BA, Social and Behavioral Sciences, 1972

Ball, Thomas, R, Associate Dean of Engineering and Assistant Professor of Apparel and Textile, MBA, Management, 1975, BA, Business Administration, 1970

Ballard, Nancy, M, Assistant Professor of Nursing, PHD, Nursing, 2015, MSN, Nursing, 1993, BSN, Nursing, 1982

Bandyopadhyay, Tridib, Master of Science in Information Systems Director and Associate Professor of Information Systems, PHD, Management Science, 2006, MBA, Business Administration, 2001, MBA, Finance, 1995, BE, Electrical Engineering, 1985

Banke, Susan, L, Clinical Assistant Professor of Educational Leadership, PHD, Leadership and Education, 2004, MS, Educational Leadership, 1997, BA, Religious Education, 1976

Barber, Diana, S, Assistant Professor of Hospitality Law and Liability, JD, Law, 1985, BA, Criminal Justice, 1981

Barclay, Sandra, W, Special Formats Cataloging Librarian and Librarian Assistant Professor of Library Science, MLS, Library and Information Studies, 1999

Bartlett, Stephen, M, Online Coordinator for the Department of History and Philosophy, Coordinator of Part-time Faculty and Senior Lecturer of World History, MA, History, 1997, BA, History, 1994

Baruah, Bharat, Associate Professor of Chemistry and Biochemistry, PHD, Science, 2003, MS, Chemistry, 1998, BS, Chemistry, 1995

Basch, Mary, C, Senior Lecturer of Early Childhood Education, MED, Educational Administration and Supervision, 1998, BS, Elementary Education, 1993

Behrman, Mary, D, Lecturer of English, PHD, English, 2004, MA, English, 1998, BS, Economics,

Brasco, Craig, R, Assistant Professor of Graphic Design, BA, Interdisciplinary Studies, 1994, MSMI, Medical Illustration, 1998

Brawley, Dorothy, E, Professor of Management, PHD, Management, 1982, MBA, Management, 1972, BA, Economics, 1970

Bray, David, E, Associate Professor of Finance, PHD, Finance, 2010, MBA, Business Administration, 2003, BS, Finance, 2002

Bremner, Marie, N, Professor of Nursing, PHD, Nursing, 1990, MS, Nursing, 1983, BSN, Nursing, 1979

Bridgeman, Pamela, A, Limited Term Instructor of Social Work and Human Services, MSW, Social Work, 2008

Brodak, Molly, A, English Department Marietta Campus Representative and Lecturer of English, MFA, Creative Writing, 2008, BA, English, 2004

Brooks, Mandy, J, Assistant Dean of Marketing and External Relations and Senior Lecturer of Marketing, MBA, Business Administration, 1998, MBA, Marketing, 1998, BA, Psychology, 1995

Brookshire, Joy, L, Senior Lecturer of Biology, MS, Applied Biology, 1995, BS, Biology, 1991

Broome, Kenneth, Limited Term Instructor of English, MA, English, 2014, BA, English, 2011

Brotman, Billie, A, Professor of Finance, PHD, Economics, 1978, MA, Economics, 1977, BS, Speech and Business, 1974

Brouthers, Lance, E, Professor of Management, PHD, Business Administration, 1992, PHD, Government, 1980, MA, Political Science, 1977

Brown, Christopher, A, Assistant Professor of Sport Management, PHD, Educational Leadership, 2012, MED, Recreation and Leisure Studies, 2000, BSED, Recreation and Leisure Studies, 1997

Brown, Kristy, A, Director of Center for Education Placements and Partnerships and Clinical Associate Professor of Elementary Education, EDD, Early Childhood Education, 2014, EDS, Reading, 2008, EDS, Teacher Leadership, 2012, MED, Special Education, 2006, BA, Elementary Education, 2004, ,

Brown, Lesley, J, Director of Access Services -

Bryan, Charity, L, Program Director for Online Education and Limited Term Associate Professor of Physical Education, PHD, Kinesiology, 2006, MA, Physical Education, 1999, BS, Physical Education, 1997

Bryantsev, Anton, L, Assistant Professor of Developmental Biology, PHD, Biology, 2003, MS, Physiology, 1999

Buckman, David, G, Assistant Professor of Educational Leadership, PHD, Educational Administration, 2015, EDS, Educational Administration, 2013, MED, Educational Administration, 2012, BS, Physical Education, 2008

Buddie, Amy, M, Director of Undergraduate Research and Professor of Psychology, PHD, Psychology, 2001, MA, Psychology, 1998, BA, Psychology, 1996

Bullard, Theodore, Limited Term Instructor of Organizational Leadership, MA, Organizational Leadership, 2012, BS, Sport Management, 2008

Bullins, James, S, Associate Professor of Theatre and Performance Studies, MFA, Drama, 1993, BA, Studio Art, 1990

Bullock, Patricia, L, Associate Professor of Mathematics Education, PHD, Curriculum and Instruction, 2004, MED, Mathematics Education, 1997, BSED, Mathematics, 1990

Buresh, Robert, J, Associate Professor of Exercise Science, PHD, Medical Sciences Interdepartmental Area, 2007, MS, Exercise Science, 2002, BS, Exercise Science, 1999

Burke, Meghan, A, Professor of Mathematics, DPHIL, Mathematics, 1992, SCB, Applied Mathematics - Biology, 1987

Burney, Nancy, R, Director of Supplemental Instruction Program and Senior Lecturer of Mathematics, MS, Applied Statistics, 2009, BA, Mathematics, 1972

Burns, David, J, Chair of the Department of Marketing and Professor of Marketing, DBA, Marketing, 1987, MBA, Business Administration, 1981, BSBA, Marketing, 1979

Burton, Steven, H, Arts Librarian and Librarian Assistant Professor of Library Science, MCM, Conducting and Church Music, 1983, MLIS, Library and Information Science, 2007, BS, Education, 1978

Burton, Tyra, A, Senior Lecturer of Marketing, MSM, Management, 1992, BBA, Marketing, 1990

Butcher, Charity, K, Online Coordinator for the Department of Political Science and

Chen, Li, Systems Librarian and Librarian Associate Professor of Library Science, M.L.I., Library and Information Science, 1992, BA, English, 1985

Chen, Xueying,

Cochran, Justin, D, Director of Coles Online BBA Program and Assistant Professor of Information Systems, PHD, Business Administration, 2008, MS, Mechanical Engineering, 2000, BME, Mechanical Engineering, 1998

Cochrane, Jacquelyn, L, Associate Professor of Psychology, PHD, Educational Psychology, 1979, MA, Educational Psychology, 1974, BA, Psychology, 1971

Coffey, Debra, J, Associate Professor of Elementary and Early Childhood Education, EDD, Teacher Education, 2004, MS, Child and Family Studies, 1982, BS, Occupational Child Care, Consumer Homemaking, and Kindergarten, 1980

Culp, Brian, O, Associate Professor of Health and Physical Education, EDD, Physical Education and Sport Studies, 2005, MS, Sports Administration, 2001, BSED, Health and Physical Education, 1999

Currin, Thomas, R, Dean of the Southern Polytechnic College of Engineering and Engineering Technology and Professor of Civil Engineering, PHD, Civil Engineering, 1988, MS, Civil Engineering, 1977, BS, Civil Engineering, 1972

Dail, Jennifer, S, Director of the Kennesaw Mountain Writing Project and Associate Professor of English Education, PHD, English Education, 2004, MED, English Education, 2000, BSED, English Education, 1996

Darvish-Darab, Mohammad Ali, Assistant Professor of Software Engineering and Game Development, PHD, Computer Science, 2015, MS, Software Engineering, 2009, BS, Computer Engineering, 2007

Das, Sandip, Assistant Professor of Electrical Engineering, PHD, Electrical Engineering, 2014, MENG, Electrical Engineering, 2012, BE, Electrical Engineering, 2004

Davis, Allison, C, Senior Lecturer of English, PHD, English, 2009, MA, English, 2004, BA, English, 1999

Davis, James, R, Associate Professor of Theatre and Performance Studies, PHD, Theatre, 2004, MA, Theatre, 1999, BA, Drama-Speech, 1990

Davis, La Tiffany, D, Access Services - Learning Commons Librarian and Librarian Assistant Professor of Library and Information Science, M.L.I., Library and Information Science, 2011, BA, English, 2008

Davis, Laura, Associate Professor of English, PHD, English, 2011, MA, English, 2002, BA, English, 1997

Davis, Marcus, C, Associate Dean of Research of the College of Science and Mathematics and Associate Professor of Biology, PHD, Organismal Biology and Anatomy, 2004, BS, Biology, 1996

Davis, Patricia, E, Director of the Honors Program and Professor of English, PHD, British Romantic Literature, 1979, MA, English Literature, 1978, BA, English and German Literature, 1974

Davis-Cosby, Nicki, Limited Term Instructor of English, MA, English, 2015, BA, Mass Communication, 1991

Daws, Laura, B, Online Education Coordinator for the School of Communication and Media and Assistant Professor of Communication, PHD, Communication, 2009, MA, Communication, 2005, BA, Communication Arts, 2003

DeAngelo, Angela, Senior Lecturer of History Education, MED, Media, 2000, BA, Social Science Education, 1982

Eaves, Yvonne, D, Associate Professor of Nursing, PHD, Nursing, 1

Epps, Kathryn, K, Associate Dean and Director of the School of Accountancy and Professor of Accounting, PHD, Accountancy, 2002, MACCT, Accountancy, 1997, BA, Accounting, 1990

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Fox, Dana, L, Associate Dean for Graduate Studies and Research and Professor of English Education, PHD, Curriculum and Instruction, 1991, MSED, English, 1984, BSED, English, 1979

Frank, Timothy, Assistant Professor of Architecture, BARCH, Architecture, 2000, MARCH, Architecture, 2004

Gardner, Kimberly, D, Associate Professor of Mathematics Education, PHD, Teaching and Learning, 2008, MED, Mathematics Education, 1998, MS, Applied Statistics, 2012, BA, Mathematics, 1991

Garner, Ricky, L, Professor of Art Education, PHD, Art Education, 2000, MA, Psychology, 1994, BLS, Studio Arts and Architectural Design, 1989

Garofalo, David, Assistant Professor of Physics, PHD, Physics, 2008, BS, Physics, 1999

Garrido, Jose, M, Professor of Computer Science & Information Systems, PHD, Information Technology, 1996, MS, Analysis, Design and Management of Information Systems, 1982, MS, Computer Science, 1995, BS, Electrical Engineering, 1975

Gayler, Richard, A, Professor of Computer Science & Information Systems, PHD, Mathematics, 1976, MS, Computer Science, 1990, MS, Mathematics, 1974, BS, Mathematics, 1971

Geist, Debra, Lecturer of Information Systems, MS, Information Systems, 2007, BS, Information Systems, 2005

Gentile, John, S, Professor of Performance Studies & Communication, PHD, Interpretation, 1984, MA, Interpretation, 1980, MA, Mythological Studies, 2006, BA, Dramatic Arts, English, 1978

Gentry, Jonathan, C, Assistant Professor of History, PHD, History, 2015, MA, History, 2007, AM, History, 2008

Gephardt, Katarina, Professor of English, PHD, English, 2003, MA, English, 1997, BA, English, 1995

Gerda, Monica, S, Lecturer of Heal50 0 0 T.24 72 5m.24 72 443.724 72 390.48 cm BT 50 0 0 50 0 -0.2 ()]

Grindel, Patricia, Writing for Public Communication Coordinator and Senior Lecturer of Communication, MA, Journalism and Communication, 1987, BA, Journalism and Communication, 1980

Grooms, Tony, M, Interim Director of MAPW and Professor of Creative Writing, MFA, Creative Writing, 1984, BA, Theatre and Speech, 1978

Grosch, Theodore, Assistant Professor of Computer Engineering Technology, PHD, Electrical Engineering, 1993, MS, Electrical Engineering, 1989, BS, Electrical Engineering, 1982

Gruss, Amy, B, Assistant Professor of Civil Engineering, PHD, Environmental Engineering, 2013, BSEE, Environmental Engineering, 2009

Guerra, Paula, P, Associate Professor of Mathematics Education, PHD, Curriculum and Instruction, 2011, MED, Curriculum and Instruction, 2007, BA, Mathematics Education, 2001

Guerra-Zubiaga, David, A, Assistant Professor of Mechatronics Engineering, ,

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Hardigree, Christian, E, Director of the Michael A. Leven School of Culinary Sustainability and Hospitality and Professor of Hospitality Law and Liability, JD, Law, 1996

Hardy, Susan, M, Senior Lecturer of Mathematics, MS, Applied Statistics, 1986, BS, Computational Math, 1982

Hariharan, Govind, Professor of Economics, PHD, Economics, 1991, MA, Economics, 1984, BA, Economics, 1981

Harmon, William, K, Provost and Vice President for Academic Affairs and Professor of Accounting, DBA, Accounting, 1982, MACC, Accounting, 1980, BSBA, Accounting, 1977

Harper, Michael, T, Associate Professor of English, PHD, English Rhetoric and Composition, 1998, MA, English, 1990, BGS, English and Political Science, 1988

Harris, Rochelle, L, Interim Director of Composition and Senior Lecturer of English, PHD, English, 2005, MA, English, 1996, BA, English, 1994

Harrold, Phillip, M, Limited Term Assistant Professor of English, MFA, Creative Writing, 2011, MPW, MAPW-Professional Writing, 2005, BS, Psychology, 2004

Hart, Patricia, L, Associate Professor of Nursing, PHD, Nursing, 2007, MS, Nursing, 2001, BS, Nursing, 1996

Hartmangruber, Emily, M, Limited Term Instructor of Mathematics, MS, Mathematics, 2011, BS, Applied Mathematics, 2010

Hashas-Degertekin, Mine, H, Associate Professor of Architecture, PHD, Design, 2004, MS, Building Design, 1999, BA, Architecture, 1995

Hauge, Xueya, Associate Professor of Biology, PHD, Molecular and Medical Genetics, 1993, MS, Biology, 1985, BS, Biology, 1982

Hedrick, Alison, B, Interim Assistant Chair of First-Year and Transition Studies and Lecturer of Information Systems, MSIS, Information Systems, 2007, BS, Computer Information Systems Technology, 2002

Helms, Jeffrey, L, Professor of Psychology, PSYD, Clinical Psychology, 1999, MA, Clinical Psychology, 1996, BS, General Experimental Psychology, 1993

Hendrix, Jerald, D, Professor of Biology, PHD, Biochemistry, 1984, BA, Biology and Chemistry, 1979

Henley, Amy, B, Academic Director of the MBA Program and Associate Professor of Management, PHD, Business Administration, 2005, MBA, Business Administration, 1998, BSBA, Accounting, 1997

Herbel, Jerry, E, Director of Masters in Public Administration and Associate Professor of Public Administration, PHD, Political Science, 2001, MPA, Public Administration, 1989, BS, Public Affairs, 1983

Herbert, James, I, Professor of Management and Entrepreneurship, PHD, Organizational Behavior, 1985, MA, Organizational Behavior, 1974, MPHIL, Organizational Behavior, 1976, BS, Education, 1962

Hermanson, Dana, R, Dinos Eminent Scholar Chair of Private Enterprise and Professor of Accounting, PHD, Business, 1993, BBA, Accounting, 1986

Hermanson, Heather, M, Professor of Accounting, PHD, Business, 1993, BS, Accountancy, 1987

Herskovits, Eliezer, Limited Term Assistant Professor of Physics, PHD, Chemistry, 1997, MS, Physics, 1991

Hesser, Marcia, Lecturer of Organismal Biology, PHD, Animal and Veterinary Sciences, 2011, MS, Animal Physiology, 2006, BS, Animal and Veterinary Sciences, 2004

Hester, Garrett, M, Assistant Professor of Exercise Science, MS, Health and Human Performance, 2012, BS, Health and Human Performance, 2010

Hiatt, Mark, S, Assistant Professor of Organizational Behavior/Entrepreneurship, PHD, Business Administration, 2009, MM, Marketing Organization Behavior Policy and Environment, 1989

Hicks, Willajoya, C, Associate Professor of Special Education, PHD, Special Education, 2000, MED, Behavior/Learning Disabilities, 1995, BA, Psychology, 1992

Hightower, Linda, A, Professor of Visual Arts, EDD, Art Education, 2000, MVA, Studio, 1982, BA, Art, 1974

Hill, Mary Angela, C, Professor of Accounting, PHD, Business Administration, 1993, MBA, Business Administration, 1981, BA, English Literature, 1978

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Hillen, Amy, F, Associate Professor of Mathematics Education, EDD, Instruction and Learning, 2005, BS, Mathematics, 1996

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Hoffman, Ashley, T, Distance Learning Librarian and Librarian Assistant Professor of Library Science, M.L.I., Library and Information Science, 2015, MA, Russian and East European Studies, 2009, BA, International Studies, 2007

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Hunt, Ruston, M, Interim Assistant Dean of Accreditation and Assessment and Associate Professor of Systems Engineering, PHD, Mechanical Engineering, 1981, MS, Industrial Engineering, 1979, BS, Industrial Engineering, 1978

Hutchins, Amber, L, Assistant Director for Digital and New Technologies Education and Assistant Professor of Communication, PHD, Communication, 2008, MA, Mass Communication, 2002, BA, Journalism, 1999

Hutchins, Jennifer, D, Assistant Professor of Marketing, PHD, Business Administration, 2014, MBA, Marketing, 2005, BS, Psychology, 1994

Hutchinson, Richard, N, Lecturer of Sociology, PHD, Sociology, 2003, MA, Sociology, 1995, BA, Anthropology, 1981

Hwang, Kristine, H, Associate Professor of Art, MED, Counseling Psychology, 1988, MFA, Computer Graphics Design, 1998, BA, Graphic Design, 1994

Hyon, Kathy, S, Lecturer of English, PHD, English, 2008, MFA, Creative Writing, 2001, BA, English, 1977

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Ikegwonu, Patricia, R, Lecturer of Criminal Justice, JD, Law, 1983, BS, Speech Communication, 1979

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Ingram, Ulrike, K, Lecturer of Geographic Infor(Hu.24 0 0 0.24 349.4121 258 clkeg) 0.2 (w) -0.2.f0.2 (c)2 (

Johnson, Lisa, B, Associate Professor of Social Work, PHD, Social Work, 2006, MSW, Social Work, 1996, BSW, Social Work, 1995

Johnson, Monique, R, Limited Term Instructor of Early Childhood Education, MA, Early Childhood Education, 2012, BS, Child Development, 2005

Johnson, Ping, H, Professor of Health Promotion and Physical Education, PHD, Education, 1997, MS, Health Education, 1994, BS, Medicine, 1982

Johnson, Sarah, Lecturer of Communication, MAPW, Professional Writing, 2009, BS, Communication, 2003

Johnson II, John, D, Assistant Professor of Sport Management, PHD, Human Performance, 2004, MS, Sports Administration, 2002, BS, Physical Education, 1999

Johnston, Linda, M, Executive Director of the Siegel Institute for Leadership, Ethics & Character and Professor of Conflict Management, PHD, Conflict Analysis and Resolution, 2001, MS, Institution Administration, 1976, BS, Dietetics, 1974

Jonaidi, Mohammad, Limited Term Assistant Professor of Civil Engineering, PHD, Civil Engineering, 1998, MS, Civil Engineering (Structure), 1989, BSE, Civil Engineering, 1985

Jones, David, E, Professor of Philosophy, PHD, Philosophy, 1988, MA, Philosophy, 1975, AB, Philosophy and English, 1973

Jones, Jackie, H, Special Assistant to the Vice Provost for Institutional Effectiveness and Professor of Nursing, EDD, Higher Education, 2005, MSN, Perinatal Nursing, 1991

Jones, Sandra, H, Limited Term Instructor of Software Engineering, MBA, Business Administration, 2005

Jones, Tiffany, R, Limited Term Associate Professor of Psychology, PHD, Physical Education, 2005, MS, Exercise Science and Sport Studies, 2004, BA, Psychology and English, 1999

Jones, Tonya, C, Integrative Studies Advisor and Assistant Professor of Mathematics, MS, Mathematics, 1993, BS, Mathematics, 1991

Jordan, Esther, S, Associate Director for Faculty Support and Associate Professor of Political Science, PHD, Political Science, 2010, MA, Political Science, 2005, BA, Political Science, 1998

Jordan, Jeannette, Limited Term Instructor of Communication, MA, Journalism and Media within Globalization, 2012, MDIV, Theology, 2006, BS, Communications, 1992

Kerfoot, Cameron, K, Limited Term Instructor of English, MAPW, Professional Writing, 2014,
BA, English, 2010

Kersey, Timothy, E, Lecturer of Political Science and International Affairs, PHD, Political
Science, 2011, BA, Political Science, 2001

Keyser, Robert, S, Assistant Professor of Industrial Engineering, PHD, Industrial Engineering,

Kim, Yang Hee, Associate Professor of Early Childhood Education, PHD, Curriculum and Instruction, 1996, MA, Early Childhood Education, 1988, BA, Early Childhood Education, 1986

Kimitei, Symon, K, Senior Lecturer of Mathematics, MS, Mathematics, 2008, BS, Computer Science, 1998, BS, Mathematics, 1999

King, Adrienne, L, Assistant Professor of Organismal Biology, PHD, Environmental Health Sciences, 2010, MS, Environmental Science, 2003, BS, Biology, 1998

King, David, A, Associate Professor of English, PHD, English, 2001, MA, English, 1992, AB, English, 1990

Klym, Kendall, Lecturer of English, PHD, English, 2010, MFA, Creative Writing, 2003, BA, Journalism, 1994

Knapp, Denise, R, Distance Learning Coordinator and Lecturer of Nutrition, MS, Nutritional Sciences, 2013, BS, Dietetics, 2011

Kochman, Ladd, M, Professor of Finance, DBA, Finance, 1980, MBA, Management, 1972, BS, Journalism, 1967

Koepfer Lock, Elisabeth, Assistant Professor of Dance, MFA, Dance, 1993, BFA, Dance, 1991

Kwon, Jayhyun, Assistant Professor of Civil Engineering, PHD, Civil Engineering, 2007, MS, Civil Engineering, 2001, BS, Civil Engineering, 1999

Kyle, Mark, E, Limited Term Assistant Professor of Industrial Engineering, MS, Quality Assurance, 1998, BS, Industrial Engineering Technology, 1995

Lahanas, Danielle, C, Administrative Director of the Master of Accounting Program and

Laval, June, K, Professor of French and Spanish, PHD, Romance Languages, 1973, MA, French, 1967, MA, Spanish, 1965, BA, Spanish, 1962

Laval, Philippe, B,

Lepadatu, Elena, D, Associate Professor of Sociology, PHD, Sociology, 2007, MS, Philosophy, 2000, BA, Philosophy, 1999, BA, Sociology, 1998

Lester, Deborah, H, Professor of Marketing, PHD, Clothing and Fashion Merchandising, 1982, MS, Clothing and Textiles, 1976, BS, Fashion Merchandising, 1975

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Marks, Beth, W, Foundations Coordinator and Senior Lecturer of Secondary & Middle Grades Education, MED, Middle Grades Education, 2000, BBA, International Business and Marketing, 1987

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Marshall, Victor, B, Clinical Assistant Professor of Management and Entrepreneurship, DBA, Business Administration, 2012, MBA, Business Administration, 2004, BSEE, Electrical Engineering, 1976

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Martin, Nicole, G, Assistant Professor of Psychology, PHD, Psychology, 2005, MA, Psychology, 1999, MS, Psychology, 2001, BA, Anthropology and Sociology, 199nd Sof P As ,

McClatchey, Irene, S, Associate Professor of Human Services, PHD, Social Work, 2006, MSW, Social Work, 1989

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McComb, James, M, Lecturer of Accounting, MACC, Accounting, 1996, BA, International Affairs, 1989

McCormick, Caroline, B, Limited Term Instructor of Mathematics, MS, Mathematical Sciences, 2014, BS, Mathematics, 2012, BS, Physics, 2012

McMahon, Jennifer, J, Assistant Chair of the Department of Sociology and Criminal Justice and Associate Professor of Sociology, PHD, Sociology, 2009, MA, Sociology, 2005, AB, Criminal Justice, 2000, BS, Psychology, 2000

McMahon, Joel, C, Limited Term Assistant Professor of History, PHD, History, 2010, MA, Philosophy, 2001, BA, Philosophy, 1989, BS, Industrial and Systems Engineering, 1991

McMorran, Andrew, G, Associate Professor of Mathematics, PHD, Computational & Applied Math, 1990, MS, Computational & Applied Math, 1986, BS, Mathematics, 1984

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Myers, Rachel, E, Associate Professor of Nursing, PHD, Nursing Science, 2010, MSN, Nursing Administration, 1999, BSN, Nursing, 1990

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Ograbisz, Pamela, H, Clinical Assistant Professor of Nursing, MSN, Nursing, 2001, BSN, Nursing, 1998

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Pieper, Andrew, L, Political Science Coordinator and Associate Professor of Political Science, PHD, Political Science, 2007, MA, Political Science, 2000, BS, Political Science, 1998

Pieper, Torsten, M, DBA Academic Director and Associate Professor of Management, PHD, Business Administration, 2007, MS, Management, 2003, MSM, Business Administration, 2003, BS, Business Administration and Management, 1999

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Pierquet, Sandra, L, Lecturer of Marketing, MBA, Business Administration, 1982, BS, Home Economics and Business-Food Technology, 1977

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Powell, Tamara, M, Director of Distance Education and Professor of English, PHD, English, 1999, MA, English, 1994, BA, English, 1992

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Preston, Jon, A, Interim Dean of the College of Computing and Software Engineering and Professor of Gaming, PHD, Computer Science, 2007, MS, Computer Science, 1998, BS, Computer Science, 1997

Price, Harry, E, Professor of Music & Music Education, EDD, Music Education, 1981, MMED, Music Education, 1975, BME, Music Education, 1974

Priestley, Jennifer Carroll, L, Director of the Ph.D. in Data Sciences and Professor of Statistics, PHD, Decision Sciences, 2004, MBA, Business Administration, 1991, BS, Economics, 1989

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Racel, Masako, N, Assistant Professor of History, PHD, History, 2011, MA, History, 1998, BA, International Affairs, 1996, BA, History, 1996

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Ranasinghe, Kisa, S, Associate Professor of Physics, PHD, Physics, 2002, MS, Physics, 2000, BS, Physics, 1996

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Randolph, Adriane, B, Associate Professor of Information Systems, PHD, Computer Information Systems, 2007, BS, Systems Engineering, 1999

Ray, Herman, E, Associate Professor of Statistics, PHD, Biostatistics, 2011, MS, Mathematics, 2004, BS, Mathematics, 2001

Redish, Traci, C, Chair of the Department of Instructional Technology and Professor of Instructional Technology, PHD, Business Education, 1997, EDS, Business Education, 1994, MBE, Comprehensive Business Education, 1990, BS, Comprehensive Business Education, 1988

Reese, Scott, A, Assistant Dean for Curriculum and Associate Professor of Biology, PHD, Biology, 2002, BS, Biology, 1998

Reeve, Kay, A, Professor of History, PHD, American History, 1977, MA, History, 1972, BSED, Secondary Education, 1969

Reeves, Teresa, B, Director of Curatorial Affairs, Zuckerman Museum and Assistant Professor of Art, PHD, Art, 2008, MFA, Painting and Printmaking, 1984, BFA, Art, 1976

Reidy, Julia, F, Limited Term Instructor of English, MAPW, Professional Writing, 2014, ABJ, Magazines, 2007

Remillard, Joseph, H, Professor of Art, JD, Law, 1981, MFA, Art, 1986, BA, History, 1978

Rendini, Virginia, A, Senior Lecturer of Health Promotion and Physical Education, MA, Physical Education, 1994, BA, Physical Education, 1980

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Rhea, James, W, Senior Lecturer of Information Systems, MBA, Business Administration, 2000, BBA, Marketing, 1987

Rhetts, Morgan, R, Government Documents Librarian and Librarian Assistant Professor of Library Science, MLS, Library Science, 2012, BA, Fine Arts, 2004

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Roberts, Allen, D, Assistant Chair of the Department of Civil and Construction Engineering and Assistant Professor of Surveying and Mapping, PHD, Geography, 2010, MS, Geography, 2000, BS, Earth and Environmental Science, 1997

Robertson, Patricia, R, Lecturer of Finance, MBA, Business Administration, 2008, BS, Finance, 1982

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Robinson, Laura, L, Lecturer of Marketing, MBA, Business Administration, 1980, BA, International Studies, 1977

Robinson, Samuel, G, Assistant Dean of Admissions and Student Services and Senior Lecturer of Theatre, BS, English and American Literature and Language, 1993

Robinson-Dooley, Vanessa, M, Associate Professor of Social Work, PHD, Social Work, 2005, MPA, Public Administration, 1991, MSW, Social Work, 2000, BA, Political Science, 1989

Robson, Donald, L, Associate Professor of Art, MFA, Fine Arts, 1991, BFA, Painting, Drawing, 1986

Rodgers, Charner, L, Assistant Professor of Construction Management, PHD, Architecture, 2011, MENG, Engineering, 2006, BS, Construction Management, 2000

Rodriguez, Sanjuana, C, Assistant Professor of Reading and Literacy Education, PHD, Teaching and Learning, 2014, MS, Teacher Education, 2006, BS, Early Childhood Education, 2005

Rodriguez-Schaefer, Darlene, X, Assistant Professor of Social Work and Human Services, PHD, Public Administration, 2008, MPA, Public Administration, 2000, MSW, Social Work, 2007, BA, Liberal Studies, 1995

Schlesinger, Nora, C, Assistant Professor of Reading Education, PHD, Speech and Hearing Science, 2016, MED, Elementary Education, 1998, BS, Food Science and Nutrition, 1981

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International Relation

Skaggs, Carmen, T, Associate Dean for Academic Support and Associate Professor of English, PHD, English, 2006, MA, English, 2002, MTS, Theological Studies, 2000, BA, English, 1998

Skelton, Samuel, B, Director of Jazz Studies and Senior Lecturer of Saxophone, BM, Music, 1990

Skott Myhre, Hans, A, Associate Professor of Human Services, PHD, Education, 2002, MED, Education, 1980, BA, Comparative Literature, 1976

Slater-Moody, Judith, R, Associate Professor of Human Services, MSW, Social Work, 1991, BA, Psychology, 1972

Sledd, Erin, J, Lecturer of English, MA, English, 1995, BA, English/Political Science, 1988

Slinger-Friedman, Vanessa, Associate Professor of Geography, PHD, Geography, 2002, MA, Latin American Studies, 1996, BA, Geography, 1994

Slutzky, Stuart, M, Limited Term Instructor of Culinary and Hospitality Management, MS, Secondary Education of Students Who Are Deaf/HH, 2004, BS, Food Management, 1993

Smalt, Steven, W, Associate Professor of Accounting & Information Systems, PHD, Accounting, 2000, MACC, Accounting, 1981, BBA, Accounting, 1979

Smith, Andrew, P, Clinical Assistant Professor of Health Promotion and Physical Education, MED, Physical Education, 1998, BSED, Exercise and Sport Science, 1995

Smith, Deborah, N, Interim Assistant Director of the Michael A. Leven School of Culinary Sustainability and Hospitality and Professor of Higher Education, PHD, Higher Education, 1995, MED, Student Personnel in Higher Education, 1989, BA, Psychology, 1986

Smith, Garrett, Program Coordinator for the Online Bachelor of Science in Geography and Associate Professor of Geography, PHD, Geography, 1995, M.I.M., International Management, 1983, BA, International Relations, 1982

Smith, Herb, J, Professor of Digital Writing and Media Arts, PHD, English, 1980, MA, English, 1970, BA, English, 1968

Smith, Keith, W, Associate Professor of Art, MFA, Art, 1999, BS, Art Education, 1994

Smith, Marvin, E, Associate Professor of Elementary and Early Childhood Education, PHD, Curriculum and Instruction, 2000, MBA, Business Administration, 1974, BS, Electrical Engineering, 1972

Smith, Sabine, Coordinator of German Community Engagement and Professor of German, PHD, German, 1996, MA, American Studies, 1989

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Smith, Susan, M, Professor of Biology, PHD, Biology, 1994, MS, Biology, 1990, BS, Biology, 1984

Smith, Wendy, S, Lecturer of Education, MA, Guidance and Counseling Education, 1995, BA, Journalism, 1992

Smith McKoy, Sheila, Chair of the Department of English and Professor of English, PHD, English, 1994, MA, English, 1991, BA, English, Writing and Editing, 1989

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Snook, Carl, D, Lecturer of Political Science, PHD, Political Science, 2013, MA, Political Science, 2007, MA, Political Science, 2003, BA, Political Science, 2000

Soiset, Roger, H, Senior Lecturer of History, MA, History, 1973, BA, History, 1968

Soldatenko, Gabriel, M, Assistant Professor of Philosophy, PHD, Philosophy Interpretation, 2011, MA, Philosophy Interpretation, 2004, BA, Philosophy, 1999, BA, History, 1999

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St

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Thomas, Lawrence, B, Senior Lecturer of Mathematics, MS, Mathematics, 1972, BS, Mathematics, 1967

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Thorne, Charles, J, Lecturer of English, MA, English, 2008, BA, English, 2006

Thornton, Natasha, A, Assistant Professor of Reading Education, PHD, Teaching and Learning, 2014, MED, Educational Administration and Supervision, 2004, BS, Early Childhood Development Pre-k - 3, 2002

Thrash, Mary, K, Clinical Assistant Professor of Nursing, DNP, Nursing, 2014, MSN, Pediatric Nurse Practitioner, 1999, BS, Health and Exercise Science, 1995

Tierce, Michael, T, Associate Chair of the Department of English and Associate Professor of English, PHD, English, 1985, MA, English, 1980, BA, English, 1978

Tillman, Mark, D, Dean of the WellStar College of Health and Human Services and Professor of Exercise Science and Sport Management, PHD, Health and Human Performance, 1999, MS,

Treiber, Linda, A, Professor of Sociology, PHD, Sociology, 2005, MS, Nursing, 1997, BA, Sociology, 1979, BSN, Nursing, 1989

Tresham, Harriet, Senior Lecturer of Biology, MS, Biological Sciences, 1981, BS, Biology, 1976

Trivedi, Nirmal, H, Director of First-Year Seminars and Assistant Professor of English, PHD, English, 2009, BA, Comparative Literature, 2000

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Tu, Jun, Associate Professor of Geography, PHD, Earth and Environmental Science, 2008, ME,

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Wiles, Gregory, L, Interim Chair of the Department of Systems and Industrial Engineering and Assistant Professor of Industrial Engineering, PHD, Management, 2014, MS, Industrial Engineering, 1992, BS, Industrial Engineering, 1981

Willard, Jennifer, L, Associate Professor of Psychology, PHD, Psychology, 2008, MS, Psychology, 2006, BA, Psychology, 2002

Willett, Jennifer, B, Associate Professor of Sport Management, PHD, Human Performance, 2002, MS, Human Performance, 1999, BS, Exercise Science, 1998

Williams, Brandi, L, Undergraduate Program Coordinator and Assistant Professor of Construction Management, MED, Adult Education, 2012, MS, Construction Management, 2011, BS, Construction Management w minor in Business Administration, 2008

Williams, Desha, L, Interim Chair of the Department of Secondary and Middle Grades Education and Associate Professor of Mathematics Education, PHD, Teaching and Learning, 2008, MED, Mathematics Education, 2001, BS, Mathematics, 1995

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Williamson, Adrienne, L, Associate Professor of Psychology, PHD, Psychology, 2006, MS, Psychology, 1995, BS, Chemistry, 1991

Williamson, Jo, Professor of Instructional Technology, PHD, Education, 2002, MA, Education, 1991, BA, English Education, 1987

Williamson, Kenneth, M, Associate Professor of Anthropology, PHD, Anthropology, 2005, BA, Anthropology, 1988

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Wilson, Matthew, M, Professor of Surveying and Mapping, MS, Civil Engineering, 1993, BS, Civil Engineering, 1991

Wilson, Maurice, Director of Education Student Services and Associate Professor of Elementary and Early Childhood Education, EDD, Education, 2002, MS, Mathematical Sciences, 1996, BS, Mathematics, 1994

Wilson, Ralph, T, Professor of English, PHD, English, 1993, MA, English, 1983, BA, English, 1979

Winsor, Aubrey, B, Lecturer of Mechanical Engineering Technology, BID, Industrial Design, 1986, MS, Post Sec. Educ. - Instructional Technology, 2009

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Womack, Deanna, F, Assistant Director of Organizational Communication Program and Professor of Communication, PHD, Speech and Drama, 1982, MA, Speech and Drama, 1980, BA, Speech - Teacher Education, 1971

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Wu, Tong, Limited Term Instructor of Mathematics, MS, Mechanical Engineering, 1993

Wuertz Hurley, Stefanie, C, Lecturer of German, MA, German, 2007

Wurl, Karen, A, Limited Term Assistant Professor of English, MAPW, Creative Writing, 2004, MFA, Creative Writing, 2010, BA, Theatre and Performance Studies, 2001

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Young, Susan, L, Doctoral in Business Administration (DBA) Program Coordinator for Management and Assistant Professor of Management, PHD, Business Administration, 2012, MBA, Business Administration, 2003, BA, English Literature, 1989

Yun, Soohyun, Assistant Professor of Music, DMA, Music, 2008, MM, Music, 2002, MM, Music, 2000, BM, Piano Performance, 1995

Yunek, Jeffrey, S, Assistant Professor of Music Theory, PHD, Music, 2013, MM, Music Theory, 2009, BA, Music Education, 2006

Zafar, Humayun, Associate Professor of Information Security and Assurance, PHD, Business Administration, 2010, MS, Information Technology, 2005, BS, Computer Science, 2003

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Collins, Mitchell, A, Professor Emeritus, Health and Physical Education

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Terry, Alice Granade, W, Professor Emeritus, Social Studies Education
Thomas, Walter, Professor Emeritus, Apparel and Textile
Thomson, Thomas, R, Professor Emeritus, Mathematics
Trendell, Harold, R, Associate Professor Emeritus, Geography
Wachniak, Lana, J, Professor Emeritus, Criminal Justice and Sociology
Walker, Gail, B, Associate Professor Emeritus, English
Wallace, Deborah, S, Professor Emeritus, Special Education
Walters, Michael, J, Associate Professor Emeritus, Music & Music Education
Watkins, James, D, Professor Emeritus, Music
Webb, Linda, C, Professor Emeritus, Educational Leadership
Whitenton, James, B, Professor Emeritus, Physics
Williams, Britain, J, Professor Emeritus, Computer Science & Information Systems
Williams, Daniel, J, Professor Emeritus, Chemistry
Williams, Mary, K, Associate Professor Emeritus, English
Wilson, Astrid, H, Professor Emeritus, Nursing
Wingfield, Harold, Professor Emeritus, Political Science
Xu, Chong-wei, Professor Emeritus, Computer Science
Yow, Paula, Professor Emeritus, English
Zebich-Knos, Michele, Professor Emeritus, Political Science
Zinsmeister, Dorothy, D, Professor Emeritus, Biology
Zoghby, Mary, D, Professor Emeritus, English