

College of Education

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THE COLLEGE OF EDUCATION is home to innovative thinkers and doers, working together to meet society's education and health challenges, building better futures for all. College of Education graduates are equipped for a variety of career options as educators, administrators, health professionals, counselors, rehabilitation specialists, and more, transforming their communities, our nation, and the world. Through our shared commitment to service and equity, undergraduate and graduate students have unique opportunities for hands-on, experiential learning, real-world research, and compelling outreach.

The College of Education prepares students to excel as education, health, and rehabilitation leaders through several distinct academic areas represented by:

- Department of Curriculum and Teaching (<http://bulletin.auburn.edu/undergraduate/collegeofeducation/curriculumandteaching/>)
- Department of Educational Foundations, Leadership, and Technology (<http://bulletin.auburn.edu/undergraduate/collegeofeducation/foundationsleadershiptechnology/>)
- Department of Special Education, Rehabilitation, and Counseling (<http://bulletin.auburn.edu/undergraduate/collegeofeducation/specialeducationrehabilitationandcounseling/>)
- School of Kinesiology (<http://bulletin.auburn.edu/undergraduate/collegeofeducation/kinesiology/>)

Admission to the College

Review Auburn University admission requirements (<http://bulletin.auburn.edu/Policies/Academic/policiesandproceduresforadmissions/>) for general admission guidelines and specific degree or program sections for any additional requirements. On-campus students may request a transfer into the College of Education by contacting their current academic advisor for their program area. Although currently enrolled students may transfer into any of the college's undergraduate majors, students transferring into the Teacher Education Majors should review GPA restrictions and other admission requirements. Please discuss progression and completion requirements with an academic advisor in the College of Education (<https://education.auburn.edu/about/student-services/current-students.php>).

Additionally, College of Education students are charged a fee for professional liability insurance.

Accreditation and Approvals

Auburn University's College of Education is accredited by the Council for the Accreditation of Educator Preparation (CAEP). All programs preparing teachers and other professional school personnel are approved by the Alabama State Board of Education (ALSBE). In addition, the state of Alabama signs the National Association of State Directors of Education and Certification (NASDTEC) Interstate Agreement which facilitates the applications of AU's graduates who have met all Alabama State Department of Education (ALSDE) certification requirements when they apply for certification in other states. Students planning to teach in a state other than Alabama, should contact that state's certification agency to ensure compliance with any additional state requirements.

Undergraduate Degrees (p. 3)

The College of Education offers many undergraduate degree options, including several minors, with a focus on teacher preparation, health, and rehabilitation studies.

Teacher Education Majors

The college's teacher education majors are designed to ensure that program graduates have the knowledge, skills, and dispositions to help all students learn. These programs maintain selective admission, retention, and graduation requirements and are in compliance with the Alabama State Board of Education's (ALSBE) rules for educator preparation. Therefore, it is critical that students meet with their academic advisor for guidance throughout the program to ensure state guidelines are followed to meet certification requirements. All transfer courses must have been completed at a regionally accredited institution. Detailed information on the specific requirements for teacher education admission, clinical experiences, clinical residency, graduation, certification, and assurance of competence is available in the Teacher Education Majors Section (<http://bulletin.auburn.edu/undergraduate/collegeofeducation/TeacherEducationInformation/>) or on the College of Education (<https://education.auburn.edu/>) website.

AUTeach

AUTeach is a teacher preparation program designed for undergraduate science students in the College of Sciences and Mathematics (COSAM). Students completing the AUTeach program along with their COSAM degree will explore the profession of science teaching through a hands-on approach, graduate with a double major, and will be certified to teach secondary science in Alabama public schools. Currently, students majoring in Chemistry, Physics, or the Interdisciplinary Health Sciences Concentration of Biomedical Sciences can complete the double-major in four years. Other programs might require additional time. Please visit <https://auburn.edu/auteach> (<https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fauburn.edu%2Fauteach&data=05%7C02%7Cckc0023%40auburn.edu%7C37b0e6f00efb41d1222308dc79ce1d67%7Cc6b6deedbd294b388979d72780f62d3b%7C0%7C0%7C638519173363226223%7CUnknown%7CTWFpbGZsb3d8eyJWljojMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTil6k1haWwiLCJXVCi6Mn0%3D%7C0%7C%7C%7C&sdata=WmHHajSy246Av755yoKjJXzxJdeHl4kCqspP99ZNbVs%3D&reserved=0>) for details on the program and to request additional information.

Health and Rehabilitation-related Majors

Exercise science and exercise, performance, and health optimization programs are offered in the School of Kinesiology (<https://education.auburn.edu/kinesiology/>). These programs promote knowledge about physical activity and performance. They prepare students for careers in physical therapy, occupational therapy, medicine, corporate wellness or cardiac rehabilitation, coaching, strength and conditioning, or personal training. The Department of Special Education, Rehabilitation, and Counseling offers one program in rehabilitation and disability studies (<https://education.auburn.edu/serc/academic-programs/rehab-disability-studies/>). This program prepares undergraduates to work in the professional positions that assist individuals with disabilities in achieving maximum independence through expanding knowledge of the complexities of disability within the context of society. Students are prepared to become professionals in the fields of disability studies and services that include counseling, allied health fields (occupational therapy/physical therapy), case management, human services, and supported employment.

Graduate Degrees (p. 3)

The College of Education offers graduate programs that prepare professionals in the fields of education, kinesiology, counseling, and rehabilitation. Offerings include M.Ed., M.S., Ed.S., D.PT., and Ph.D. degree programs, graduate minors, and graduate certificates.

Non-degree Programs

The Physical Activity and Wellness program is a non-degree program that requires 8 hours (4 courses), including KINE 1100 (<https://bulletin.auburn.edu/search/?P=KINE%201100>), Wellness, and 3 courses (each one from a different category of physical activity). Categories include cardio-respiratory fitness (PHED 1200s), fitness and conditioning (PHED 1300s), team sports (PHED 1400s), individual sports (PHED 1500s), performance activities (PHED 1600s), and aquatic skills (PHED 1700s). Students who complete the 8-hour program may apply for a Physical Activity and Wellness Certificate, issued by the School of Kinesiology. Students may also elect to take individual courses, without completing the 8-hour program. Of course, students may elect to take more than four courses if they desire to use the program to ensure a regular physical activity program.

The Education to Accomplish Growth in Life Experiences for Success, or EAGLES (<https://education.auburn.edu/serc/academic-programs/eagles/>) program is a comprehensive transition program (CTP) for students with intellectual disabilities. EAGLES provides a post-secondary education opportunity for students with intellectual disabilities to engage in a two or four-year campus experience to help students achieve their employment and independent living goals upon successful completion of the program. The EAGLES program is a non-degree program focusing on (1) academic enrichment, (2) personal and social skills, (3) independent living skills, (4) health and wellness, and (5) integrated work experiences. Students in the program receive an inclusive post-secondary education providing them with an enriching and rewarding Auburn experience as they prepare to transition to gainful employment, that aligns with the student's strengths and interests and independent living. The EAGLES program curricula are structured to help students become contributing members of society through their career interests both now and in the future.

Minors (<http://bulletin.auburn.edu/undergraduate/minors/>)

The College of Education offers five undergraduate minors, including community music, counseling, office systems management, sport coaching, and training and workforce development.

Additionally, graduate minors include critical studies in education, psychology of learning, and sport management.

Minors

- Community Music (http://bulletin.auburn.edu/undergraduate/collegeofeducation/curriculumandteaching/communitymusic_minor/)
- Counseling (http://bulletin.auburn.edu/undergraduate/collegeofeducation/specialeducationrehabilitationandcounseling/counseling_minor/)
- Office Systems Management (http://bulletin.auburn.edu/undergraduate/collegeofeducation/curriculumandteaching/officesystemsmanagement_minor/)
- Sport Coaching (http://bulletin.auburn.edu/undergraduate/collegeofeducation/kinesiology/sportcoaching_minor/)
- Training and Workforce Development (http://bulletin.auburn.edu/undergraduate/collegeofeducation/foundationsleadershiptechnology/adulteducation_minor/)

Graduate Programs

The College of Education offers graduate programs that prepare professionals in the fields of education, kinesiology, counseling, and rehabilitation. Offerings include M.Ed., M.S., Ed.S., D.P.T., and Ph.D. degree programs, graduate minors, and graduate certificates.

Departments

- Curriculum and Teaching — Graduate Certificate, MEd, MS, EdS, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/)
- Educational Foundations, Leadership and Technology — Graduate Certificate, MEd, MS, EdS, PhD, Minor (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/)
- School of Kinesiology — Graduate Certificate, MS, PhD, DPT, Minor (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/kinesiolgymedmsedsphd_major/)
- Special Education, Rehabilitation, and Counseling — Graduate Certificate, MA, MEd, MS, EdS, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/specialeducationrehabilitationandcounseling_major/)

Curriculum and Teaching — Graduate Certificate, MEd, MS, EdS, PhD

Degree Programs

- Agriscience Education — MS, MEd, EdS (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/agriscience/)
- Business and Marketing Education — MS, MEd, EdS (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/businessandmarketingeducation/)
- Career and Technical Education — PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/careerandtechnicaleducation/)
- Early Childhood Education — MS, MEd, EdS, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/earlychildhoodeducation/)
- Elementary Education — MS, MEd, EdS, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/elementaryeducation/)
- English for Speakers of Other Languages — MEd (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/englishforspeakersofotherlanguages/)
- English Language Arts Education — MS, MEd, EdS, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/englishlanguageartseducation/)
- French Education — MS, MEd, EdS (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/foreignlanguageeducationrenchorspanish/)
- Mathematics Education — MEd, EdS, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/mathematicseducation/)
- Music Education: Instrumental — MS, MEd, EdS, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/musiceducationinstrumentalorvocal/)

- Music Education: Vocal — MS, MEd, EdS, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/musiceducationinstrumentalorvocal/)
- Reading Education — MS, MEd, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/readingeducation/)
- Science Education: General Science — MS, MEd, EdS, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/scienceeducation/)
- Science Education: Biology — MS, MEd, EdS, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/scienceeducation/)
- Science Education: Chemistry — MS, MEd, EdS, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/scienceeducation/)
- Science Education: Physics — MS, MEd, EdS, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/scienceeducation/)
- Social Science Education: General Social Science — MEd, EdS, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/socialscienceeducation/)
- Social Science Education: History — MEd, EdS, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/socialscienceeducation/)
- Spanish Education: Spanish — MS, MEd, EdS (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/foreignlanguageeducationrrenchorspanish/)
- Teaching English for Specific Purposes — MS (Non-Certification) (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/TeachingEnglishforSpecificPurposes_ms/)

Graduate Certificates

- Community Music (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/communitymusiceducationcertificate/)
- Reading Instruction (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/readinginstruction_certificate/)
- Teaching English as a Second Language (TESL)/Teaching English as a Foreign Language (TEFL) (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/curriculumandteachingmedmsedsphd_major/teachingenglishsecondandforeignlanguage/)

Educational Foundations, Leadership and Technology — Graduate Certificate, MEd, MS, EdS, PhD, Minor

Degree Programs

- Administration of Elementary and Secondary Education — MEd, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/administrationofelementaryandsecondaryeducation/)
- Administration of Higher Education — MEd, PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/administrationofhighereducation/)
- Administration of Supervision and Curriculum — MEd, PhD, EdS (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/administrationofsupervisionandcurriculum/)
- Adult Education — MS, MEd, PhD, EdS (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/adulteducation/)
- Educational Psychology — PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/educationalpsychology/)
- Educational Research, Measurement, and Evaluation — MS (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/erme/)

Graduate Certificates

- Adult Education and English Language Teaching (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/adulteducationandenglishlang_certificate/)

- College/University Teaching (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/collegeuniversityteaching_certificate/)
- Educational Leadership (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/educationalleadership_certificate/)
- Extension Educator (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/extensioneducator_certificate/)
- Instructional Leadership (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/instructionalleadership_certificate/)
- Instructional Technology for Distance Education (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/instructionaltechdistance_certificate/)
- Program Evaluation (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/programmevaluation_certificate/)
- Technology Educator (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/technologyeducator_certificate/)
- Workforce Education, Training, and Development (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/educationalfoundationsleadershipandtechnologymedmsedsphd_major/workforceeducationtraininganddevelopment_certificate/)

Minors

- Critical Studies in Education (http://bulletin.auburn.edu/thegraduateschool/graduateminors/criticalstudiesineducation_minor/)
- Psychology of Learning (http://bulletin.auburn.edu/thegraduateschool/graduateminors/psychologyoflearning_minor/)
- Sport Management (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/kinesiologymedmsedsphd_major/kinesportmanagment_minor/)

School of Kinesiology — Graduate Certificate, MS, DPT, PhD, Minor

Degree Programs

- Exercise, Performance and Health Optimization — MS (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/kinesiologymedmsedsphd_major/exercisepformanceandhealthoptimization/)
- Exercise Science — MS (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/kinesiologymedmsedsphd_major/exercisescience/)
- Kinesiology — PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/kinesiologymedmsedsphd_major/kinesiology/)
- Physical Therapy — DPT (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/kinesiologymedmsedsphd_major/dpt_physicaltherapy/)
- Physical Education/Teacher Education — MS (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/kinesiologymedmsedsphd_major/physicalteachereducation/)

Graduate Certificate

- Movement Skill Analysis (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/kinesiologymedmsedsphd_major/movementskill_cert/)

Graduate Minor

- Sport Management (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/kinesiologymedmsedsphd_major/kinesportmanagment_minor/)

Special Education, Rehabilitation, and Counseling — Graduate Certificate, MA, MEd, MS, EdS, PhD

Degree Programs

- Clinical Mental Health Counseling (Option within Counselor Education program) — MEd (http://bulletin.auburn.edu/undergraduate/collegeofeducation/specialeducationrehabilitationandcounseling/clinicalmentalhealthcounseling_medms/)
- Clinical Rehabilitation Counseling — MEd (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/specialeducationrehabilitationandcounseling_major/rehabilitationcounseling/)

- Collaborative Teacher Special Education: K–12 — MS, MEd, EdS (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/specialeducationrehabilitationandcounseling_major/specialeducationcollaborative/)
- Counseling Psychology — MA, PhD (http://bulletin.auburn.edu/undergraduate/collegeofeducation/specialeducationrehabilitationandcounseling/counselingpsychology_phd/)
- Counselor Education — PhD (http://bulletin.auburn.edu/undergraduate/collegeofeducation/specialeducationrehabilitationandcounseling/counseloreducation_phd/)
- Early Childhood/Elementary Special Education: P–6 — MS, MEd (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/specialeducationrehabilitationandcounseling_major/specialeducationearlychildhood/)
- Rehabilitation and Special Education — PhD (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/specialeducationrehabilitationandcounseling_major/rehabilitationandspecialeducation/)
- School Counseling (Option within Counselor Education program, Certification) — MEd (http://bulletin.auburn.edu/undergraduate/collegeofeducation/specialeducationrehabilitationandcounseling/counseloreducation_med/)

Graduate Certificates

- Inclusive Elementary Education Practices (http://bulletin.auburn.edu/undergraduate/collegeofeducation/specialeducationrehabilitationandcounseling/inclusiveelementaryeducationpractices_cert/)
- Intervention for Students with Autism and Developmental Disabilities (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/specialeducationrehabilitationandcounseling_major/interventionforstudent_cert/)
- Transition Specialist (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/specialeducationrehabilitationandcounseling_major/transitionspecialist_cert/)
- Vocational Evaluation Forensic (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/specialeducationrehabilitationandcounseling_major/vocationalforensic_cert/)
- Vocational Evaluation Forensic DE (http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/specialeducationrehabilitationandcounseling_major/vocationalforensicDE_cert/)

Special Requirements for Graduate Programs that Lead to Educator Certification

Each academic department in the College of Education offers one or more degree programs that prepare educator professionals. These program offerings include the Master's of Education (M.Ed.), Master's of Science (M.S.), and Education Specialist (Ed.S.).

Master's Degrees (MEd or MS)

The college offers two options for master's degrees that lead to certification. Most traditional M.Ed./M.S. programs are designed for individuals to further develop knowledge and skills within the same subject area as their initial certification. However, there are special cases for individuals pursuing a traditional M.Ed./M.S. for the following fields: English for speakers of other languages, reading specialists, special education, school counseling, and instructional leadership. The Alternative M.Ed./M.S. option is designed for individuals who have a baccalaureate degree in another field and want to earn their first teaching certificate.

Traditional Master's Option

Admission Requirements to the Traditional Master's Option

- An ALSDE approved criminal history background check
- A valid bachelor's-level certificate in the same teaching field for which the master's level certification is sought (except for special education, English for speakers of other languages [ESOL], reading specialists, school counseling, and instructional leadership)**
- Special Cases**
 - English for speakers of other languages requires a valid bachelor's level certificate in any teaching field
 - Special Education requires a valid bachelor's level certificate in any teaching field
 - Reading Specialists requires either:
 - A valid bachelor's level professional educator certificate in early childhood education, elementary education, or collaborative special education (K-6), and two full years of full-time classroom teaching experience OR
 - A valid bachelor's level professional educator certificate in any area of education, two full years of full-time classroom teaching experience, and a passing score on the Praxis Teaching Reading test validated for use in Alabama
 - School Counseling has two options that vary depending on a valid bachelor's level certificate as well as two years of full-time classroom teaching experience; or a bachelor's degree from an accredited institution in a related field with no experience requirement

- Instructional Leadership requires three full years of full-time professional educational work experience in a P-12 setting, which must include teaching experience, and the submission of an admission portfolio before an interview

Program Progression and Retention Requirements

- Program specific requirements are outlined in the COE Graduate Student Handbook

Program Completion

- Successful completion of a survey of special education course unless that course was taken for prior level certification (An individual who completed a survey of special education course prior to meeting requirements for unconditional admission to the M.Ed. [Class A] program July 1, 2017, and thereafter, must take an ALSDE approved diversity course from the college that focuses on one of the following categories: methods of accommodating instruction to meet the needs of students with exceptionalities in inclusive settings, multicultural education, teaching English language learners, rural education, or urban education)
- Satisfactory completion of the program checklist meeting the minimum ALSDE GPA requirements
 - Unconditional Admissions prior to July 1, 2017, individuals must have a GPA of 3.0 on the program check sheet
 - Unconditional Admissions on or following July 1, 2017, individuals must have a GPA of 3.25 on the program check sheet
- Special Cases**
 - Successful completion of all internship requirements for ESOL, Reading Specialists, and School Counseling programs
 - All programs (special education, English for speakers of other languages [ESOL], reading specialists, school counseling, and instructional leadership) are required to pass the appropriate content assessment(s) in the area of specialization as required by the Alabama State Department of Education

Certification

- At least a valid Class B Professional Educator Certificate (If an individual is unconditionally admitted to a Class A program based on a valid bachelor's-level certification from another state, completes the M.Ed. [Class A] program and subsequently applies for Alabama certification at the Class A level, then the individual must hold a valid Alabama Class B certificate before applying for Class A certification.)
- The graduate's Auburn University transcript documenting an earned Master's degree
- A completed certification application submitted to the Office of Student Services

Alternative Master's (MEd or MS)

Admission Requirements

- An ALSDE approved criminal history background check
- An official transcript from an accredited institution documenting either:
 - An earned bachelor's degree with the following minimum GPA's OR
 - For Unconditional Admissions prior to July 1, 2017, individuals must have a GPA of 2.50 on the degree granting transcript
 - Unconditional Admissions on or following July 1, 2017, individuals must have a GPA of 2.75 on the degree granting transcript
 - For Unconditional Admissions on or following February 25, 2022, individuals must have a GPA of 2.50 on the degree granting transcript
 - An earned Master's degree with at least a 3.0 GPA on the degree granting transcript
- Documentation of the Teaching Field requirement
 - Programs in Early Childhood Special Education and Collaborative Special Education (K-6 or 6-12)
 - Shall have earned at least 12 semester hours of acceptable credit, as verified on the official transcripts, in each of the following areas: English language arts, mathematics, science and social studies OR
 - Shall have earned a current passing score on the prescribed Praxis subject assessment
 - Programs in the Secondary Teaching Fields
 - Shall have earned at least 30 semester hours of credit appropriate to the field including at least 18 semester hours of upper division credit OR
 - For English language arts, coursework must include courses in literature, grammar, reading skills, writing, speech, theatre, and print or broadcast journalism
 - For general science, coursework must include courses in biology, chemistry, Earth or space science, and physics
 - For social science, coursework must include courses in economics, geography, history, and political science
 - Shall have earned a current passing score on the prescribed Praxis subject assessment required for the area of specialization
- Programs in Career and Technical Education and P-12 Programs (e.g., Physical Ed.)

- Shall have earned at least 30 semester hours appropriate to the teaching field including at least 18 semester hours of upper-division credit

Admission to Clinical Residency (Internship)

- Completion and submission of the Clinical Residency (Internship) Application one year in advance
- Unconditional Admission to Educator Preparation Program
- Satisfactory completion of all courses on the program checklist designated as prerequisites for clinical residency
- Meeting current ALSDE GPA requirements based on the date of Unconditional Admissions
 - For students admitted to educator preparation program prior to July 1, 2017 - Minimum 2.50 grade-point average on all college coursework counting towards the program checklist
 - For students admitted to teacher education July 1, 2017, and thereafter - Minimum 2.75 grade-point average on all college coursework counting towards the program checklist
- Passing score(s) on the appropriate content assessment(s) required for the area of specialization
- Demonstrated potential for teaching with program approval

Students who fail to meet these criteria may submit new evidence in an effort to satisfy admission to clinical residency/internship requirements. Specific programs may have additional requirements for this transition point. Students should meet with their academic advisor to discuss any additional program specific requirements.

Exit from Clinical Residency (Internship)

- Satisfactory completion of all key assessments including submission of edTPA portfolio for official scoring
- Satisfactory completion of teaching requirements (20 full days of teaching, including 10 consecutive days)
- Satisfactory completion of attendance requirements (full-time, full semester)
- Satisfactory compliance with all rules and regulations outlined in the Clinical Residency Handbook

Specific programs may have additional requirements for this transition point. Students should meet with their academic advisor to discuss any additional program specific requirements.

Graduation

- Completion of all courses on the program checklist (Note: Approvals of Course Substitution Requests must be on file in the Office of Student Services, 3464 Haley)
- Meeting the minimum GPA requirements:
 - For students admitted to the educator preparation program prior to July 1, 2017 - Minimum 2.50 grade-point average all coursework counting towards the program check sheet
 - For students admitted to teacher education July 1, 2017, and thereafter - Minimum 3.25 grade-point average on all college coursework counting towards the program check sheet
- Satisfactory grade in clinical residency/internship including completion of all requirements

Specific programs may have additional requirements for this transition point. Students should meet with their academic advisor to discuss any additional program specific requirements.

Education Specialist (EdS)

The Ed.S. (Class AA) program prepares educators to expand their knowledge, teaching abilities, and leadership potential. Persons who complete Class AA programs shall have acquired knowledge and skill above the level required for completion of a M.Ed. (Class A) program.

Admission Requirements to the Education Specialist (Ed.S.)

- An ALSDE approved criminal history background check
- A valid Master's level professional educator certificate in the same field for which the Ed.S. (Class AA) is sought
- Special cases:
 - A teacher with a valid bachelor's level certificate in early childhood education, elementary education, or English language arts and a valid master's level certificate in reading specialists may be unconditionally admitted to the Ed.S. (Class AA) program in the subject field of the bachelor's level certificate (i.e., early childhood education or elementary education)
 - A teacher with a valid bachelor's level certificate in any teaching field and a valid master's level certificate in English for speakers of other language (ESOL) may be unconditionally admitted to the Ed.S. (Class AA) program in the same teaching field for which the teacher holds a valid bachelor's level certificate

- While the ALSDE allows, “A teacher with a valid bachelor’s level certificate in a teaching field may be unconditionally admitted to an Ed.S. (Class AA) program in special education or English for speakers of other languages”; Auburn University does not offer these options.

Program Progression and Retention Requirements

- Program specific requirements are outlined in the COE Graduate Student Handbook

Program Completion

- Successful completion of a survey of special education course unless that course was taken for prior level certification (An individual who completed a survey of special education course prior to meeting requirements for unconditional admission to the Ed.S. [Class AA] program July 1, 2017, and thereafter, must take an ALSDE approved diversity course from the college that focuses on one of the following categories: methods of accommodating instruction to meet the needs of students with exceptionalities in inclusive settings, multicultural education, teaching English language learners, rural education, or urban education)
- Satisfactory completion of the Program checklist meeting the minimum ALSDE GPA requirements
 - Unconditional Admissions prior to July 1, 2017, individuals must have a GPA of 3.25 on the program check sheet
 - Unconditional Admissions on or following July 1, 2017, individuals must have a GPA of 3.50 on the program check sheet
- Successful completion of any testing requirement(s)
 - At the present time, there is no testing requirement for Class AA certificate for teachers except for teachers who earn initial Class AA certification in a special education teaching field. While the ALSDE allows for initial Class AA certification in special education, Auburn University does not allow for students to be admitted to the Class AA program in special education without prior level certification. Such teachers must meet the Praxis requirements of the Alabama Educator Certification Assessment program as a precondition for graduation and certification.
- Special Cases:
 - Successful completion of a practicum shall be required for initial certification in special education teaching field. For programs that meet rules for Grades K-6 and 6-12 or Grades P-12, the practicum must include both elementary and secondary placements.

Certification

- At least a valid Class A Professional Educator Certificate (If an individual is unconditionally admitted to a Class AA program based on a valid bachelor's-level certification from another state, completes the Ed.S. (Class AA) program and subsequently applies for Alabama certification at the Class AA level, then the individual must hold a valid Alabama Class A certificate before applying for Class AA certification.
- The graduate’s Auburn University transcript documenting an earned Master’s degree
- A completed certification application submitted to the Office of Student Services

Adult Education Courses

ADED 4010 LEARNING RESOURCES IN AREA OF SPECIALIZATION (3) LEC. 3. Selecting, developing, utilizing, and evaluating instructional resources and technology for teaching.

ADED 4050 METHODS OF TEACHING IN ORGANIZATIONS (3) LEC. 2. LAB. 2. Methods and techniques of instruction using appropriate instructional materials; planning and evaluation of instruction for programs within adult education.

ADED 4600 NATURE OF ADULT EDUCATION (3) LEC. 3. History and principles of adult education applied to the development and implementation of programs in remedial, occupational, continuing, and life-long learning.

ADED 4610 DIRECTED WORK EXPERIENCE (3) LEC. 3. SU. In-service, supervised work experience individually designated for part-time or summer work experience.

ADED 4620 COMMUNITY CONCEPTS, PROGRAMS, AND RESOURCES IN ADULT EDUCATION (3) LEC. 3. Processes by which adult education is merged with community organizations to maximize the effective use of physical and human resources.

ADED 4650 TEACHING THE DISADVANTAGED ADULT (3) LEC. 3. Problems of the disadvantaged adult with emphasis on the unique sociological, psychological, and physiological factors that influence learning and participation in remedial learning activities.

ADED 4660 TEACHING IN THE NON-SCHOOL SETTING (3) LEC. 3. Planning, conducting, and supervising instruction for adults in varied non-school settings.

ADED 4900 INDEPENDENT STUDY (1-6) IND. Independent study directed toward desired objectives. Includes evaluation at regular intervals by professor and student. Course may be repeated for a maximum of 6 credit hours.

ADED 4910 PRACTICUM (1-6) PRA. SU. Departmental Approval. Experience relating theory and practice, usually carried on simultaneously. Course may be repeated for a maximum of 6 credit hours.

ADED 4920 PROFESSIONAL INTERNSHIP IN ADULT EDUCATION (9) INT. 9. SU. Supervised internship experiences in a school or other appropriate setting. Evaluation and analysis of the internship experience. Or Minor.

ADED 4970 SPECIAL TOPICS (1-6) LEC. Current or special topics within adult education. Course may be repeated for a maximum of 6 credit hours.

ADED 7010 LEARNING RESOURCES (3) LEC. 3. Selecting, developing, utilizing, and evaluating instructional resources and technology for teaching. May count either ADED 7010 or ADED 7016.

ADED 7050 METHODS OF TEACHING IN ADULT EDUCATION (3) LEC. 3. Methods and techniques of instruction using appropriate instructional materials; planning and evaluation of instruction for programs within adult education. May count either ADED 7050 or ADED 7056.

ADED 7060 CURRICULUM AND PROGRAM PLANNING IN ADULT EDUCATION (3) LEC. 3. Introduction to principles and practices involved in designing education programs in the area of specialization. May count either ADED 7060 or ADED 7066.

ADED 7600 NATURE OF ADULT EDUCATION (3) LEC. 3. History and principles of adult education applied to the development and implementation of programs in remedial, occupational, continuing and life-long learning. May count either ADED 7600 or ADED 7606.

ADED 7620 CONCEPTS, PROGRAMS, AND RESOURCES IN ADULT EDUCATION (3) LEC. 3. Processes by which adult education is merged with community organizations to maximize the effective use of physical and human resources. May count either ADED 7620 or ADED 7626.

ADED 7640 WORKFORCE EDUCATION (3) LEC. 3. Identification and evaluation of basic skills problems in the workplace. Strategies for addressing workplace education issues. May count either ADED 7640 or ADED 7646.

ADED 7650 TEACHING THE DISADVANTAGED ADULT (3) LEC. 3. Problems of the disadvantaged adult with emphasis on the unique sociological, psychological, and physiological factors that influence learning and participation in remedial learning activities. May count either ADED 7650 or ADED 7656.

ADED 7670 ADULT EDUCATION IN COOPERATIVE EXTENSION (3) LEC. 3. Exploration of the unique relationship between adult education and the Cooperative Extension System. May count either ADED 7670 or ADED 7676.

ADED 7680 EXPERIENTIAL LEARNING IN ADULT EDUCATION (3) LEC. 3. This course is designed to introduce the key theories of teaching and learning related to experiential learning in adult education and training.

ADED 7690 MEETING DIVERSE NEEDS IN ADULT EDUCATION SETTINGS (3) LEC. 3. This course provides an innovative look at disability services in post-secondary institutions. Learners will study the history of disability services, legislation, campus accessibility, assessment of the accessibility of adult education settings and other topics of interest.

ADED 7900 DIRECTED STUDIES (1-3) IND. SU. Departmental approval. Independent study directed toward desired objectives. Includes evaluation at regular intervals by professor and student. Course may be repeated for a maximum of 3 credit hours.

ADED 7910 PRACTICUM (1-3) DSL/PRA. SU. Departmental approval. Experiences closely relating theory and practice, usually carried on simultaneously. Course may be repeated for a maximum of 3 credit hours.

ADED 7920 INTERNSHIP (1-10) DSL/INT. SU. Supervised internship experiences in a school, college or other appropriate setting. Evaluation and analysis of the internship experience. May count either ADED 7920 or ADED 7926. Course may be repeated for a maximum of 10 credit hours.

ADED 7950 SEMINAR (1-3) DSL/SEM. SU. Presentation of research projects, analysis of procedures, and findings. Course may be repeated for a maximum of 3 credit hours.

ADED 7960 READINGS (1-3) DSL/IND. Departmental approval. Critical analysis of current and classical research and writings. Course may be repeated for a maximum of 6 credit hours.

ADED 7970 SPECIAL TOPICS (1-6) LEC. 1-6. Departmental approval. Current or advanced topics within area of specialization. Course may be repeated for a maximum of 6 credit hours.

ADED 7990 RESEARCH AND THESIS (1-10) DSL/MST. Departmental approval. Individualized support and direction for students writing their thesis. Course may be repeated with change in topics.

ADED 8900 DIRECTED STUDIES (1-6) DSL/IND. SU. Departmental approval. Independent study directed toward desired objectives. Includes evaluation at regular intervals by professor and student. Course may be repeated for a maximum of 6 credit hours.

ADED 8910 PRACTICUM (1-6) DSL/PRA. SU. Departmental approval. Experiences closely relating theory and practice, usually carried on simultaneously. Course may be repeated for a maximum of 6 credit hours.

ADED 8920 INTERNSHIP (1-10) INT. SU. Departmental approval. Supervised internship experiences in a school, college, or other appropriate setting. Evaluation and analysis of the internship experience. Course may be repeated for a maximum of 10 credit hours.

ADED 8950 SEMINAR (1-6) DSL/SEM. SU. Presentation by graduate students of research projects and/or analysis of procedures and findings. Course may be repeated for a maximum of 6 credit hours.

ADED 8960 SPECIAL PROBLEMS (1-6) IND. Departmental approval. Critical analysis of current and classical research writings. Course may be repeated for a maximum of 6 credit hours.

ADED 8970 SPECIAL TOPICS (1-6) DSL. Departmental approval. Current or advanced topics within adult education. Course may be repeated for a maximum of 6 credit hours.

ADED 8980 FIELD PROJECT (1-10) DSL/FLD. SU. Field project formulated, planned, conducted, evaluated, and reported in appropriate written form and oral formats under the direction of the student's major professor. Course may be repeated for a maximum of 10 credit hours.

ADED 8990 RESEARCH AND DISSERTATION (1-10) DSL/DSR. Departmental approval. Individualized support and direction for students writing their dissertation. Course may be repeated for a maximum of 10 hours

Middle School Education Courses

CTMD 4190 CURRICULUM AND TEACHING IN THE MIDDLE SCHOOL (3) LEC. 2. LAB. 2. Admission to Teacher Education. To introduce and prepare undergraduate education students for the middle school student, middle school teaching, and middle level philosophy while incorporating reflective decision making.

CTMD 4900 DIRECTED STUDIES (1-6) IND. SU. Departmental approval. Independent study directed at desired objectives. Includes evaluation at regular intervals by professor and student. Course may be repeated for a maximum of 6 credit hours.

CTMD 4910 PRACTICUM IN MIDDLE SCHOOL EDUCATION (1-6) PRA. SU. Departmental approval. Provides experience relating theory and practice, usually carried on simultaneously. Course may be repeated for a maximum of 6 credit hours.

CTMD 4920 CLINICAL RESIDENCY (11) AAB. 40. SU. Pr. P/C CTSE 4200 or P/C CTSE 4203. Admission to Clinical Residency. Supervised teaching in a public middle or secondary school, abroad, accompanied by scheduled discussions to analyze and evaluate the intern's experience. May count either CTMD 4920 or CTMD 4923.

CTMD 4970 SPECIAL TOPICS (1-4) LEC. Course may be repeated for a maximum of 4 credit hours.

CTMD 5010 TEACHING MATHEMATICS: MIDDLE SCHOOL (4) LEC. 2. LAB. 4. Admission to Teacher Education. The prospective middle school or junior high school mathematics teacher must examine the characteristics of students this age. Teaching strategies must be developed which lead not only to the learning of correct mathematics but also address the needs of a wide variety of learners.

CTMD 6010 TEACHING MATHEMATICS: MIDDLE SCHOOL (4) LEC. 2. LAB. 4. The prospective middle school or junior high school mathematics teacher must examine the characteristics of students this age. Teaching strategies must be developed which lead not only to the learning of correct mathematics but also address the needs of a wide variety of learners.

CTMD 7900 DIRECTED STUDIES (1-6) IND. SU. Departmental approval. Independent study directed toward desired objectives related to the respective areas of specialization. Includes evaluation at regular intervals by professor and student. Course may be repeated for a maximum of 6 credit hours.

CTMD 7970 SPECIAL TOPICS (1-6) LEC. Course may be repeated for a maximum of 6 credit hours.

Career and Technical Courses

CTCT 2100 POWER EQUIPMENT TECHNOLOGY (3) LEC. 2. LAB. 3. Repair and maintenance of small air-cooled engines and power equipment in Agriculture. May count either CTCT 2100 or CTCT 3100.

CTCT 2200 COMPUTER LITERACY IN BUSINESS EDUCATION (3) LEC. 1. LAB. 4. Advanced formatting, processing, and evaluation of business correspondence, as well as administrative and employment documents. Includes basic computer literacy skills. May count either CTCT 2200 or CTCT 2203.

CTCT 3000 LEADERSHIP SKILLS FOR PERSONAL AND ORGANIZATIONAL DEVELOPMENT (3) LEC. 3. Organizational and leadership skills needed to become successful professionals in work or community activities; skills and strategies for conducting efficient meetings. Departmental approval. May count either CTCT 3000 or CTCT 3003.

CTCT 3250 INFORMATION ANALYSIS (3) LEC. 3. Decision-making and business problem solving using microcomputer software applications including spreadsheets, database management programs, and operating systems. May count either CTCT 3250 or CTCT 3253.

CTCT 4000 CLASSROOM/LABORATORY MANAGEMENT, ORGANIZATION AND EVALUATION IN CAREER AND TECHNICAL EDUCATION (2) LEC. 2. Admission to Teacher Education. Organization, objectives, principles, management, and evaluation of career and technical education classrooms, laboratories, and programs. May count either CTCT 4000 or CTCT 4003.

CTCT 4030 CAREER AND TECHNICAL STUDENT ORGANIZATIONS (3) LEC. 3. Survey of career and technical student organizations; procedures involved in developing and implementing informal and co-curricular educational programs for students and preparing students for state and national competitions.

CTCT 4140 AGRICULTURAL STRUCTURE AND METAL FABRICATION TECHNOLOGY (3) LEC. 2. LAB. 3. Materials selection and construction procedures for carpentry, concrete, masonry, electricity, plumbing, and metal fabrication.

CTCT 4160 SUPERVISED AGRICULTURAL EXPERIENCE PROGRAMS (2) LEC. 2. Responsibility for SAEP planning, supervision, and evaluation of entrepreneurship, placement, exploratory, analytical, and experimental SAEPs and record books; completing award applications.

CTCT 4900 DIRECTED STUDIES (1-6) IND. SU. Departmental approval. The student's learning efforts are guided toward desired objectives. Includes evaluation at regular intervals by professor and student. Course may be repeated for a maximum of 6 credit hours.

CTCT 4910 PRACTICUM IN AREA OF SPECIALIZATION (1-6) DSL/PRA. SU. Departmental approval. Provides experience relating theory and practice, usually carried on simultaneously. Course may be repeated for a maximum of 6 credit hours.

CTCT 4920 CLINICAL RESIDENCY (12) AAB/DSL. 40. SU. Admission to Clinical Residency. Supervised clinical residency experiences abroad in a school or other appropriate setting. Evaluation and analysis of the clinical residency experience. May count either CTCT 4920 or CTCT 4923.

CTCT 4940 DIRECTED FIELD EXPERIENCE IN AREA OF SPECIALIZATION (1-3) DAG/FLD. SU. Supervised occupational work experience in an approved specialization-related occupation. Departmental approval. May count either CTCT 4940 or CTCT 4943. Course may be repeated for a maximum of 3 credit hours.

CTCT 4970 SPECIAL TOPICS IN AREA OF SPECIALIZATION (1-6) DSL. Departmental approval. Current or special topics within area of specialization. Course may be repeated for a maximum of 6 credit hours.

CTCT 5050 METHODS OF TEACHING IN AREA OF SPECIALIZATION (3) LEC. 2. LAB. 2. Admission to Teacher Education. Methods and techniques of instruction using appropriate instructional materials; planning and evaluation of instruction for programs within career and technical education. May count CTCT 5050, CTCT 5053, CTCT 6050, or CTCT 6056.

CTCT 5060 PROGRAM PLANNING IN AREA OF SPECIALIZATION (3) LEC. 3. Admission to Teacher Education. Introduction to principles and practices involved in designing education programs in the area of specialization. May count CTCT 5060, CTCT 5063, CTCT 6060, or CTCT 6066.

CTCT 5080 PRINCIPLES OF COORDINATION (3) LEC. 3. Admission to Teacher Education. Coordination, placement, and supervision of students in work-based programs; development of employability skills. May count CTCT 5080, CTCT 5083, CTCT 6080, or CTCT 6086.

CTCT 5200 RECORDS MANAGEMENT SYSTEMS (3) LEC. 3. Study of integrated records management systems, functions, systems, and careers; including decision making and problem solving using software applications. May count either CTCT 5200/CTCT 6200 or CTCT 6200/CTCT 6206.

CTCT 5240 MULTIMEDIA DESIGN (3) LEC. 3. Focus on presentation, desktop publishing, multimedia production, web page design, and digital graphics. May count either CTCT 5240/CTCT 5243 or CTCT 6240/CTCT 6246.

CTCT 5250 INFORMATION DESIGN & ANALYSIS (3) LEC. 3. Decision making, problem solving, and presentation using business software applications. May Count Either CTCT 3250/CTCT 3253 or CTCT 5250/CTCT 5253 CTCT 6250/CTCT 6256.

CTCT 5260 APPLIED COMPUTER TECHNOLOGY (3) LEC. 3. Capstone course with emphasis on integration of business software for decision making, processing, collaboration and management functions, including accounting and financial management. May count either CTCT 5260/CTCT 5263 or CTCT 6260/CTCT 6266.

CTCT 5940 WORK EXPERIENCE IN INFORMATION TECHNOLOGY (3) LEC. 3. SU. Supervised occupational work experience in a Commerce and Information Technology environment. May count either CTCT 4940/CTCT 4943 or CTCT 5940/CTCT 5943 or CTCT 6940/CTCT 6946.

CTCT 6050 METHODS OF TEACHING IN AREA OF SPECIALIZATION (3) LEC. 2. LAB. 2. Methods and techniques of instruction using appropriate instructional materials; planning and evaluation of instruction for programs within the area of specialization. Admission to alternative master's program. May count CTCT 5050, CTCT 5053, CTCT 6050, or CTCT 6056.

CTCT 6060 PROGRAM PLANNING IN AREA OF SPECIALIZATION (3) LEC. 3. Introduction to principles and practices involved in designing educational programs in the area of specialization. Admission to alternative master's program. May count CTCT 5060, CTCT 6060, or CTCT 6066.

CTCT 6080 PRINCIPLES OF COORDINATION (3) LEC. 3. Coordination, placement, and supervision of students in work-based programs; development of employability skills. May count CTCT 5080, CTCT 5083, CTCT 6080, or CTCT 6086.

CTCT 6200 RECORDS MANAGEMENT SYSTEMS (3) LEC. 3. Study of integrated records management systems, functions, and careers; including decision making and problem solving using software applications. May count either CTCT 5200/CTCT 5203 or CTCT 6200/CTCT 6206.

CTCT 6240 MULTIMEDIA DESIGN (3) LEC. 3. Focus on presentation, desktop publishing, multimedia production, web page design, and digital graphics. May count either CTCT 6240/CTCT 62406 or CTCT 5240/5243.

CTCT 6250 INFORMATION DESIGN & ANALYSIS (3) LEC. 3. Decision making, problem solving, and presentation using business software applications. May count either CTCT 6250/CTCT 6256 or CTCT 5250/5253.

CTCT 6260 APPLIED COMPUTER TECHNOLOGY (3) LEC. 3. Capstone course with emphasis on integration of business software for decision making, processing, collaboration and management functions, including accounting and financial management. May count either CTCT 5260/CTCT 5263 or CTCT 6260/6266.

CTCT 6940 WORK EXPERIENCE IN INFORMATION TECHNOLOGY (3) LEC. 3. SU. Supervised occupational work experience and software application in a Commerce and Information Technology environment. May count either CTCT 6940/CTCT 6946 or CTCT 5940/5943.

CTCT 7000 FOUNDATIONS OF CAREER AND TECHNICAL EDUCATION (3) LEC. 3. Philosophical, historical, economic, and sociological perspectives of vocational education in relation to the organization of vocational education programs. May count either CTCT 7000 or CTCT 7006.

CTCT 7010 YOUTH PROGRAM DEVELOPMENT (3) LEC. 3. Developing, managing, and evaluating formal and informal youth education programs; training volunteers for youth development programs; securing and developing supporting resources. Departmental approval. May count either CTCT 7010 or CTCT 7016.

CTCT 7100 TEACHING MECHANICAL TECHNOLOGY (3) LEC. 2. LAB. 2. Theory and practice of managing agricultural mechanics laboratories, theories of machine operation, and maintaining laboratory equipment. May count either CTCT 7100 or CTCT 7106.

CTCT 7120 COURSES OF STUDY IN AGRISCIENCE EDUCATION (3) LEC. 3. Pr. CTCT 5060 or CTCT 6060 or CTCT 5063 or CTCT 6066. Emerging technologies in agriscience education; principles and procedures of curriculum construction applied to courses of study in agriscience education. Departmental approval. May count either CTCT 7120 or CTCT 7126.

CTCT 7200 CAREER AND OCCUPATIONAL INFORMATION (3) LEC. 3. Trends and issues in occupational structure, job qualifications and requirements, and sources of occupational information for new and emerging occupations; analysis of career education models for students. Departmental approval. May count either CTCT 7200 or CTCT 7206.

CTCT 7240 ADMINISTRATIVE MANAGEMENT (3) LEC. 3. Pr. CTCT 4200 or CTCT 4203. Management of office systems, information and personnel. Managing and controlling administrative services. Departmental approval. May count either CTCT 7240 or CTCT 7246.

CTCT 7300 INTEGRATING TECHNOLOGY IN CAREER AND TECHNICAL EDUCATION (3) LEC. 3. Pr. CTCT 5050 or CTCT 6050 or CTCT 5053 or CTCT 6056. Selecting, developing, utilizing, and evaluating instructional resources and technology for teaching. Departmental approval. May count either CTCT 7300 or CTCT 7306.

CTCT 7400 AGRICULTURAL LITERACY EDUCATION (3) LEC. 3. Theories and application of agricultural literacy related scientific and technologically based concepts and processes required for personal decision making, participating in civic and cultural affairs, and economic productivity.

CTCT 7710 ADVANCED TEACHING METHODS (3) LEC. 3. Pr. (CTCT 5050 or CTCT 5053) or (CTCT 6050 or CTCT 6056). Analysis of research in theories of teaching and learning, effective teacher characteristics, learning styles, teaching methodologies, and diversity in teaching. Departmental approval. May count either CTCT 7710 or CTCT 7716.

CTCT 7720 ADVANCED PROGRAM PLANNING IN AREA OF SPECIALIZATION (3) LEC. 3. Pr. CTCT 5060 or CTCT 6060 or CTCT 5063 or CTCT 6066. Issues affecting the development and management of educational programs; strategies for improving educational programs. Departmental approval. May count either CTCT 7720 or CTCT 7726.

CTCT 7730 PROGRAM EVALUATION (3) LEC. 3. Pr. (CTCT 7720 or CTCT 7726). Principles and procedures used in evaluating academic-related programs. Alternative approaches to evaluation and practical guidelines for conducting evaluations. Departmental approval. May count either CTCT 7730 or CTCT 7736.

CTCT 7750 ADMINISTRATION OF CAREER AND TECHNICAL EDUCATION (3) LEC. 2. LAB. 2. Introduction to concepts, theories and practices related to administration, organizational behavior, and leadership in secondary and post-secondary vocational education programs. Departmental approval. May count either CTCT 7750 or CTCT 7756.

CTCT 7760 COMPREHENSIVE PLANNING IN CAREER AND TECHNICAL EDUCATION (3) LEC. 2. LAB. 2. Pr. (CTCT 7750 or CTCT 7756). Processes of comprehensive planning for vocational education programs at high school and secondary school levels using local, state, and regional data. Departmental approval. May count either CTCT 7760 or CTCT 7766.

CTCT 7770 CLINICAL SUPERVISION (3) LEC. 3. Pr. (CTCT 7710 or CTCT 7716). Theories, concepts, models, and techniques of student teacher and beginning teacher supervision by administrators, school district personnel, and university supervisors. Recommended for individuals who supervise or plan to supervise student teachers. Departmental approval. May count either CTCT 7770 or CTCT 7776.

CTCT 7780 RESEARCH IN CAREER AND TECHNICAL EDUCATION (3) LEC. 3. Review, analysis and interpretation of research procedures and data with emphasis on designing new research in vocational and adult education. Departmental approval. May count either CTCT 7780 or CTCT 7786.

CTCT 7810 SUPERVISED COLLEGE TEACHING (1) LEC. 1. SU. Departmental approval. Practical experience in the classroom under the supervision of a faculty mentor. Course may be repeated for a maximum of 2 credit hours.

CTCT 7900 DIRECTED STUDIES (1-3) DAG. SU. Departmental approval. Independent learning effort directed toward desired objectives. Includes evaluation at regular intervals by student and professor. Course may be repeated for a maximum of 3 credit hours.

CTCT 7910 PRACTICUM IN AREA OF SPECIALIZATION (1-3) DAG. SU. Departmental approval. Experiences closely relating theory and practice. Course may be repeated for a maximum of 3 credit hours.

CTCT 7920 CLINICAL RESIDENCY (9-12) AAB. 40. SU. Admission to Clinical Residency. Supervised internship experiences in a school, college or other appropriate setting. Evaluation and analysis of the internship experience. Departmental approval. May count either CTCT 7920 or CTCT 7926. Course may be repeated for a maximum of 12 credit hours.

CTCT 7950 SEMINAR IN AREA OF SPECIALIZATION (1-3) DBU/SEM. SU. Departmental approval. Presentation by graduate students of research projects and/or findings. Analysis of procedures and findings. Course may be repeated for a maximum of 3 credit hours.

CTCT 7960 SPECIAL PROBLEMS (1-3) IND. Departmental approval. Critical analysis of current and classical research and writings. Course may be repeated for a maximum of 3 credit hours.

CTCT 7970 SPECIAL TOPICS IN AREA OF SPECIALIZATION (1-6) DAG. Departmental approval. Current or advanced topics within area of specialization. Course may be repeated for a maximum of 6 credit hours.

CTCT 7990 RESEARCH AND THESIS (1-10) MST. Course may be repeated for a maximum of 10 credit hours.

CTCT 8730 CURRICULUM DEVELOPMENT IN CAREER AND TECHNICAL EDUCATION (3) LEC. 3. Pr. CTCT 7730 or CTCT 7736. Principles of career and technical education curriculum planning, identification of educational needs of students, selecting technical content, and evaluating materials. May count either CTCT 8730 or CTCT 8736.

CTCT 8770 SUPERVISION OF INSTRUCTION (3) LEC. 3. Pr. CTCT 7770 or CTCT 7776. Theories and models to become effective supervisors of vocational and adult education programs; philosophies and styles of supervision used to improve schools, instruction, curriculum and personnel. Departmental approval. May count either CTCT 8870 or CTCT 8876.

CTCT 8800 TEACHER EDUCATION (3) LEC. 3. Emphasis on beliefs, philosophy, issues, research, roles, student selection, curriculum, methodology, internships, organization, and administration of teacher education programs. Departmental approval. May count either CTCT 8800 or CTCT 8806.

CTCT 8810 SUPERVISED COLLEGE TEACHING (1-10) LEC. 3. SU. Practical experience in the classroom under the supervision of a faculty mentor. Course may be repeated for a maximum of 10 credit hours.

CTCT 8900 DIRECTED STUDIES (1-6) IND. SU. Departmental approval. Independent learning efforts at desired objectives. Includes evaluation at regular intervals by professor and student. Course may be repeated for a maximum of 6 credit hours.

CTCT 8910 PRACTICUM IN AREA OF SPECIALIZATION (1-6) DSL/PRA. SU. Departmental approval. Experiences closely relating theory and practice. Course may be repeated for a maximum of 6 credit hours.

CTCT 8920 INTERNSHIP (1-10) INT. SU. Departmental approval. Supervised internship experiences in a school, college or other appropriate setting. Evaluation and analysis of the internship experience. Course may be repeated for a maximum of 10 credit hours.

CTCT 8950 SEMINAR IN AREA OF SPECIALIZATION (1-6) DSL/SEM. Departmental approval. Selected concepts and theoretical formulations of common interest. Course may be repeated for a maximum of 6 credit hours.

CTCT 8960 SPECIAL PROBLEMS (1-6) DSL/IND. Departmental approval. Critical analysis of current and classical research and writings. Course may be repeated for a maximum of 6 credit hours.

CTCT 8970 SPECIAL TOPICS IN AREA OF SPECIALIZATION (1-6) DSL. Departmental approval. Current or advanced topics within area of specialization. Course may be repeated for a maximum of 6 credit hours.

CTCT 8980 FIELD PROJECT (1-10) DAG. 1. SU. Departmental approval. Field project. Course may be repeated for a maximum of 10 credit hours.

CTCT 8990 RESEARCH AND DISSERTATION (1-10) DSL/DSR. Course may be repeated for a maximum of 20 credit hours.

Counselor Ed, Counseling Psych Courses

COUN 1000 CAREER ORIENTATION EXPLORATION (2) LEC. 1. LAB. 2. The process of career decision-making through hands-on activities, in-class exercises, and job shadowing.

COUN 2000 LIVING AND COMMUNICATING IN A DIVERSE SOCIETY (3) LEC. 3. The class developing cultural competence in context of relationships, issues, and trends in a multicultural and diverse society related to such factors as culture, ethnicity, nationality, age, gender, sexual orientation, and mental and physical abilities/disabilities.

COUN 2007 HONORS LIVING AND COMMUNICATING IN A DIVERSE SOCIETY (3) LEC. The class developing cultural competence in context of relationships, issues, and trends in a multicultural and diverse society related to such factors as culture, ethnicity, nationality, age, gender, sexual orientation, and mental and physical abilities/disabilities.

COUN 2020 INTRODUCTION TO LGBTQ STUDIES (3) LEC. 3. The class focuses on content addressing and introduces lesbian, gay, bisexual, and transgender studies. The course will examine the historical, scientific, psychological, and cultural contexts of relationships, issues and trends in a diverse society related to sexual orientation.

COUN 2300 MENTAL HEALTH DISPARITIES (3) LEC. 3. Pr. COUN 2000. This course will introduce students to mental health disparities and strategies for addressing the social factors of mental health.

COUN 2900 DIRECTED STUDIES (1-3) IND. SU. Reading, research, or other work undertaken by a student focused on an area of special interest. Directed by faculty member. Course may be repeated for a maximum of 9 credit hours.

COUN 2940 DIRECTED FIELD EXPERIENCE (1-3) DSL/FLD. Course may be repeated for a maximum of 9 credit hours.

COUN 2950 THRIVING THROUGH TRANSITIONS (1) SEM. 1. This course requires participation in activities that support healthy living and assignments that facilitate understanding of mechanisms that promote well-being. Course content reviews the process of recovery from addiction and mechanisms used to support long-term recovery. Course may be repeated for a maximum of 12 credit hours.

COUN 2970 SPECIAL TOPICS IN COLLEGE STUDENT DEVELOPMENT (1-3) DSL. Selected topics in college student development. Fall, Spring. Course may be repeated for a maximum of 12 credit hours.

COUN 3000 CAREER SUCCESS (2) LEC. 2. Developing a career plan via instruction on researching careers, writing resumes, developing portfolios, interviewing, net working and other career development practices. May count either COUN 3000 or COUN 3003.

COUN 3100 COUNSELING AND HUMAN SERVICES (3) LEC. 3. Counseling concepts and skills appropriate in the helping professions. Not open to graduate students in counseling education.

COUN 3980 SUPERVISED RESEARCH EXPERIENCE IN COUNSELING (3) LAB. 3. SU. This course provides students with the opportunity to gain supervised research experience in counselor education, counseling psychology, and special education programs. Students will work with the faculty instructor to gain experience in a range of research activities. Course may be repeated for a maximum of 12 credit hours.

COUN 4000 INTRODUCTION TO COUNSELING AND PSYCHOTHERAPY (3) LEC. 3. Pr. COUN 2000. Current theory, research, and practice regarding counseling and psychotherapy. We will cover several current issues related relevant to counseling and psychotherapy, including the process of change, theoretical perspectives, ethical issues.

COUN 4010 INTRODUCTION TO PREVENTION AND MENTAL HEALTH PROMOTION (3) LEC. 3. Pr. COUN 2000. Addressing the ideas of prevention and health promotion in counseling psychology. We will address such concepts as positive psychology, mindfulness, stress, health promotion, body image, social justice theory, social advocacy, and prevention theory.

COUN 4910 PRACTICUM (1-3) PRA. SU. This course provides students with the opportunity to be actively involved in social justice efforts that affect the region and nation through gaining hands-on experience in a social justice agency. Course may be repeated for a maximum of 6 credit hours.

COUN 4970 SPECIAL TOPICS IN COUNSELING (3) DSL/ST1. Introduction to selected topic in counseling. Course will provide a semester-long introduction and introduction into research in the topic of interest using a seminar style of instruction. Course may be repeated for a maximum of 9 credit hours.

COUN 7010 MEDICAL VOC & PSYCHOSOCIAL ASPECTS OF DISABILITY (3) LEC. 3. An introduction to medical terminology, body systems, common physical and cognitive conditions therapeutic/restorative services, and psychosocial & vocational considerations of various disabilities. May count COUN 7010, COUN 7016, RSED 6010 or RSED 6016.

COUN 7110 OCCUPATIONAL, CAREER AND PLACEMENT SERVICES (3) DR1/LEC. The course is designed to familiarize students with career theory and methods used by rehabilitation practitioners to analyze and apply vocational techniques to place individuals with disabilities. May count COUN 7110, COUN 7116, RSED 6220 or RSED 6226.

COUN 7130 VOCATIONAL EVALUATION (3) LEC. 3. Principles, process and techniques used to diagnose vocationally-related assets and liabilities of the individual with disabilities. May count either RSED 7130, RSED 7136, COUN 7130, or COUN 7136.

COUN 7200 INTRODUCTION TO MEASUREMENT AND ASSESSMENT (3) LEC. 3. Pr. COUN 7100 or (COUN 7400 or COUN 7406) or COUN 8530. Introduction to the history and theory of measurement and assessment as it applies to counselors and psychologists.

COUN 7220 INTELLECTUAL ASSESSMENT OF CHILDREN AND ADOLESCENTS (3) LEC. 3. Pr. COUN 7200. Theory and measurement of children's intelligence. Administration and interpretation of selected tests.

COUN 7230 CAREER DEVELOPMENT AND VOCATIONAL APPRAISAL (3) LEC. 3. Career development theories appraising vocationally related interests, aptitudes, and personal characteristics. Laboratory practice in test procedures.

COUN 7240 COUNSELING CHILDREN AND ADOLESCENTS (3) LEC. 3. Course provides awareness, knowledge, and skills for counseling children and adolescents using effective theoretical approaches, counseling modalities, and specific techniques. May count either COUN 7240 or COUN 7246.

COUN 7250 ADVANCED ASSESSMENT AND DIAGNOSIS IN COUNSELING (3) LEC. 3. Assessment/diagnostic skills related to counseling: intake, assessment, diagnostic criteria, treatment planning, counseling interventions. May count either COUN 7250 or COUN 7256.

COUN 7310 COUNSELING APPLICATIONS OF LIFESPAN DEVELOPMENT (3) LEC. 3. Theories and current research in development across the lifespan with emphasis on applications to counseling. May count either COUN 7310 or COUN 7316.

COUN 7320 COUNSELING THEORIES (3) LEC. 3. Study of major counseling theories.

COUN 7330 COUNSELING DIVERSE POPULATIONS (3) LEC. 3. Departmental approval. Special counseling and advocacy issues. Needs of diverse populations are considered.

COUN 7340 GROUP COUNSELING (3) LEC. 3. Leading, developing, evaluating a counseling group; including group proposal, session development, group dynamics, group leadership and evaluation, treatment planning; group intervention, counseling skills.

COUN 7350 INTRODUCTION TO COUNSELING PRACTICE (3) LEC. 3. Pr. (COUN 7320 or COUN 7326) or COUN 7400 or COUN 8530. Methods, interventions, and skills essential to counseling.

COUN 7360 ADVANCED COUNSELING PRACTICE (3) LEC. 3. An intensive study of advanced counseling skills with supervised experience. Class format will include lecture, group discussion, role play, case and videotaped counseling practice analysis, observational analysis and evaluation of counseling techniques.

COUN 7370 FOUNDATIONS OF SUBSTANCE USE COUNSELING (3) LEC. 3. Provides knowledge of the nature of substance abuse, drug classification, models of addiction, assessment and diagnosis, treatment, and related issues. May count COUN 7370, COUN 7376, RSED 6340, or RSED 6346.

COUN 7400 ORIENTATION TO PROFESSIONAL COUNSELING (3) LEC. 3. Orientation to the counseling field with emphasis on philosophical, historical, psychological, and organizational foundations of professional practice.

COUN 7410 ORIENTATION TO CLINICAL MENTAL HEALTH COUNSELING (3) LEC. 3. Orientation to clinical mental health counseling to include roles, responsibilities, systems, theories, professional issues, and history.

COUN 7420 ORIENTATION TO SCHOOL COUNSEL (3) LEC. 3. Orientation to the role and activities of the K-12 school counselor. Emphasis on the components of a developmentally-oriented school counseling program.

COUN 7450 FOUNDATIONS OF SCHOOL COUNSELING (3) LEC. 3. This course is designed to extend beyond the orientation to counseling course and expand the practical knowledge of school counselors-in-training to prepare students to work as effective school counselors based on current research and practical experiences. Restricted to students in Master's Program in School Counseling.

COUN 7460 LEADERSHIP AND ADVOCACY FOR SCHOOL COUNSELORS (3) LEC. 3. This course is designed to provide an overview of school counseling leadership and advocacy. School counselors in training will develop a deeper knowledge of their role of educational leaders while serving as school counselors. Restricted to students in Counselor Education.

COUN 7500 CRISIS INTERVENTION IN COUNSELING (3) LEC. 3. Development of skills and knowledge for crisis intervention and management in counseling, including prevention planning, intervention strategies and evaluation.

COUN 7510 ADVANCED CLINICAL MENTAL HEALTH COUNSELING INTERVENTIONS (3) LEC. 3. Pr. COUN 7320 or COUN 7326. Advanced counseling interventions, practices, techniques and methods for mental health counselors, including treatment planning, counseling processes, and evaluation.

COUN 7520 INTRODUCTION TO REHABILITATION AND CASE MANAGEMENT IN REHABILITATION COUNSELING (3) LEC. 3. Program organization and development of materials for curriculum improvement and teaching practices in a disability specialization area. COUN 7520 and COUN 7526 may be repeated for a maximum combined total of 9 credits with a change in disability specialization.

COUN 7900 DIRECTED STUDIES (1-3) IND. SU. Independent learning effort directed at desired objectives. Includes evaluation by professor and student at regular intervals. Course may be repeated for a maximum of 9 credit hours.

COUN 7910 PRACTICUM (3) LEC. 3. SU. Supervised experiences appropriate to student's program emphasis area. Course may be repeated for a maximum of 9 credit hours.

COUN 7920 INTERNSHIP (1-9) INT. SU. Pr. COUN 7910 or COUN 7916. Supervised on-the-job experiences. Course may be repeated for a maximum of 9 credit hours.

COUN 7930 ADVANCED THEORIES IN COUNSELING PRACTICE (3) LEC. 3. Intensive study of advanced theories within rehabilitation counseling, as well as an examination of outcome research relating to the use and application of these theories and techniques. May count COUN 7930, COUN 7936, RSED 7940 or RSED 7946.

COUN 7950 EMERGING ADULTHOOD AND TRANSITION IN REHABILITATION (3) LEC. Introduction to the transition process of youth with disabilities from school to adulthood and employment with emphasis on the developmental stage emerging adulthood. May count COUN 7950, COUN 7956, RSED 7950 or RSED 7956.

COUN 7960 SPECIAL PROBLEMS (1-10) IND. SU. May be taken more than one semester. Course may be repeated for a maximum of 10 credit hours.

COUN 7970 SPECIAL TOPICS (1-3) AAB. An in-depth study of a current topic(s) impacting the professions related to departmental programs. Course may be repeated for a maximum of 9 credit hours.

COUN 8110 COUNSELING ASSESSMENT ACROSS THE LIFESPAN (3) LEC. 3. Development, administration, scoring and interpretation of personality, interest, aptitude, achievement, and attitude tests across the lifespan.

COUN 8120 APPRAISAL IN COUNSELING AND PSYCHOLOGY (3) LEC. 3. Development, administration, scoring and interpretation of personality, interest, aptitude, achievement, attitude tests. Includes assessment interview, behavioral observation.

COUN 8200 INTELLECTUAL ASSESSMENT OF ADULTS (3) LEC. 2. LAB. 3. Pr. COUN 8120. Theory and measurement of adult intelligence. Administration and interpretation of selected tests.

COUN 8210 TEST ADMINISTRATION AND PROFESSIONAL PRACTICE (3) LEC. 3. Pr. COUN 7200 or ERMA 8350 or FOUN 8350 and COUN 7210. Coreq. COUN 8200. Administration and scoring of selected tests, primarily WAIS-IV, to familiarize students with measurements for assessment of adult intelligence.

COUN 8220 PSYCHOLOGICAL SCIENCE AND HEALTH (3) LEC. 3. Pr. PSYC 7150 and PSYC 7180 and COUN 7330 and COUN 7310. In this course, fundamental science relating to health and psychology will be reviewed, focusing on major theoretical foundations, research findings, and empirically supported interventions. Students will be expected to integrate foundational knowledge in psychological science with particular emphasis on biological.

COUN 8230 COLLOQUIUM IN COUNSELING PSYCHOLOGY I (1) SEM. 1. SU. This course provides pre-practicum students with training in the conduct of counseling psychology research to provide foundational skills in research design and implementation.

COUN 8240 COLLOQUIUM IN COUNSELING PSYCHOLOGY II (2) LAB. 1, LAB/SEM. 1. SU. This course provides continued education and training in counseling psychology research and provides opportunities to demonstrate an ability to evaluate psychotherapy research in order to achieve readiness for practicum in research skills.

COUN 8250 COLLOQUIUM IN COUNSELING PSYCHOLOGY III (3) LAB. 1, LAB/SEM. 2. Pr. COUN 8240. This course provides advanced education and training in the development, conduct, and dissemination of counseling psychology research and provides opportunities to demonstrate an ability to contribute to meaningful scholarship in Counseling Psychology.

COUN 8260 COLLOQUIUM IN COUNSELING PSYCHOLOGY IV (3) LAB. 1, SEM. 2. Pr. COUN 8250. This course provides advanced education and training in the development, conduct, and dissemination of counseling psychology research and provides opportunities to demonstrate an ability to integrate concepts of equity and justice in the contribution to meaningful scholarship in Counseling Psychology.

COUN 8300 RESEARCH DESIGN IN COUNSELING AND EVALUATION (3) LEC. 3. Departmental approval. Methods for counseling research design. Studies, experimental, quasi-experimental, non-experimental, survey, between subjects and within subjects.

COUN 8310 COGNITION AND EMOTION (3) LEC. 3. Theory and empirical evidence on the cognitive and affective bases of human behavior. Integration of scientific knowledge regarding cognition and emotion.

COUN 8320 GREAT IDEAS IN PSYCHOLOGY (3) LEC. 3. Orientation to the individuals and ideas that shaped psychology using a history and systems perspective.

COUN 8400 PROFESSIONAL SEMINAR COUNSELING PSYCHOLOGY (1-3) LEC. 3. Scientific foundations of the counseling psychology profession and application of that foundational knowledge in counseling interventions. Course may be repeated for a maximum of 9 credit hours.

COUN 8510 CONTEMPORARY ISSUES IN COUNSELOR EDUCATION (3) LEC. 3. Departmental approval. History, development, current issues. Philosophical assumptions, legal and ethical considerations, new research service initiatives.

COUN 8530 CONTEMPORARY ISSUES IN COUNSELING PSYCHOLOGY (3) LEC. 3. History, development, and current professional issues. Philosophical and cultural assumptions, legal and ethical considerations, and current research topics.

COUN 8540 COUN SUPERVISION-THEORY & PRAC (3) LEC. 3. Advanced theories, skills, models and methods used in counseling supervision including counselor development, supervisory processes and evaluation.

COUN 8550 COUNSELOR EDUCATION PEDAGOGY (3) LEC. 3. Counselor Education pedagogical skills and knowledge including; theories, course and curriculum development methods, and professional responsibilities. May count either COUN 8550 or COUN 8556.

COUN 8610 ADVANCED THEORIES: EXISTENTIAL/HUMANISTIC (3) LEC. 3. Theory and practice of humanistic/existential approaches to individual and group therapy.

COUN 8620 ADVANCED COUNSELING THEORIES AND PRACTICE (3) LEC. 3. Advanced study of counseling theories. Includes research relating to application of theories and techniques. Course will emphasize integration, evidence-based approaches, case conceptualization and models for evaluation.

COUN 8630 ADVANCED THEORIES: PSYCHODYNAMIC THEORIES (3) LEC. 3. Departmental approval. The origins, current status, and emerging applications of psychodynamic approaches to counseling.

COUN 8700 DIVERSITY AND SOCIAL JUSTICE IN COUNSELOR EDUCATION (3) LEC. 3. Must be admitted to the Counselor Education Doctoral Program. This advanced course provides students with information about issues of diversity and social justice. Students apply this information to their roles in the counseling profession, specifically as future counselor educators, leaders of the profession, and advocates.

COUN 8800 PROFESSIONAL DEVELOPMENT INTERNSHIP SKILLS (3) LEC. 3. This three-hour required course is designed to help students solidify their professional identity and effectively apply for their one-year Counseling Psychology internship.

COUN 8910 PRACTICUM (1-3) LEC. 1-3. SU. Advanced supervised experiences appropriate to student's program emphasis. Course may be repeated for a maximum of 15 credit hours.

COUN 8920 INTERNSHIP (1-9) INT. SU. Advanced supervised on-the-job experiences SU appropriate to doctoral-level study. Course may be repeated for a maximum of 9 credit hours.

COUN 8930 INTERNSHIP IN COUNSELING PSYCHOLOGY (0) INT. SU. Departmental approval. Supervised, full-time experience in Counseling Psychology at the doctoral level. May be repeated to satisfy 2000 clock hour accreditation requirement.

COUN 8970 SPECIAL TOPICS (1-3) SEM. An in-depth study of the current educational, sociological, psychological, economic, health, legal, technological, and professional issues impacting the professions related to departmental programs. Course may be repeated for a maximum of 9 credit hours.

COUN 8990 RESEARCH AND DISSERTATION (1-10) DSR.

EAGLES Program Courses

EAGL 0100 POSITIVE CHOICES (0) SEM. 3. Departmental approval. In this course, students explore positive choices on healthy relationships, sexuality, and safe boundaries. The course is designed to increase critical thinking about relationships.

EAGL 0110 TRANSITION TO POSTSECONDARY EDUCATION (0) SEM. 3. Departmental approval. This course introduces life as a student on a college campus. It includes an overview of skills needed to manage daily life, support health, and wellness goals, and engage in social interactions on a college campus.

EAGL 0130 TRANSITION TO INDEPENDENT LIVING: ON-CAMPUS LIVING (0) SEM. 3. Departmental approval. This course prepares students for living independently in that of maintaining a clean-living space. This includes but is not limited to, educating on the proper cleaning tools for different tasks, following a chore list and or chart, and the aspect of courtesy of keeping shared spaces clean, especially when living with others.

EAGL 0140 FINANCIAL LITERACY (0) DSL/SEM. 3. Departmental approval. In this course, students build their knowledge of financial literacy as it relates to all settings (school, work, community, and home). Students demonstrate an understanding of counting money, managing their finances, budgeting, and relating their financial security to their chosen career area.

EAGL 0150 EMPLOYMENT EXPLORATION (0) SEM. 3. Departmental approval. In this course, EAGLES students explore career paths related to their personal interests and goals. Students identify occupational areas of interest using assessment results that they might prepare for and pursue while in the program and beyond.

EAGL 0200 EMPLOYMENT PREPARATION (0) SEM. 3. Departmental approval. This course focuses on strengthening skills learned and acquired as a first-year college student. This course also focuses on developing healthy habits for employment through the creation of a detailed habit plan and incorporates application-based activities, and real-world practice in the students' everyday lives. Students identify healthy habits and how they will personally incorporate them into all domains of their lives: Academics, Employment, Independent Living, Personal/Social, and Health and Wellness.

EAGL 0210 TRANSITION TO INDEPENDENT LIVING - MEAL PREP GROCERY SHOPPING (0) SEM. Departmental approval. The purpose of this course is to provide the EAGLES students with independent skills involving meal preparation and grocery shopping. These skills help the students transition to an independent lifestyle by learning how to prepare, shop, and cook meals while developing healthy eating habits.

EAGL 0220 LIVING IN THE MODERN WORLD (0) SEM. Departmental approval. This course prepares students to live independently and in the modern world by learning about challenges and pressures, self-determination, and resilience. Students will learn different strategies for self-care and develop an individualized plan for their personal self-care needs. Students will learn about community resources and community safety through outdoor exploration and guest speakers.

EAGL 0230 LIVING ARRANGEMENTS 101 (0) SEM. 3. Department approval required. Students have access to almost all their basic needs on a college campus; however, to successfully transition, students need to learn how to access these supports in their community and how to access them independently. The goal of this course is to teach second-year EAGLES students how to create a Housing Plan according to their independent living goals, financial means, and supports required to be successful at living on their own. This course is meant to introduce students to the real world of living independently through application-based lessons in the community.

EAGL 0310 EMPLOYMENT IMPLEMENTATION (0) LEC. 0. The goal of this course is to teach third year EAGLES students how to generalize skills they have learned into a community setting. Students are taught how to access all supports, like going to the post office, the eye doctor, and taking their animal to the vet, in their community independently. This course is meant to introduce students to the Auburn community so they can be engaged citizens through application-based lessons. Departmental Approval.

EAGL 0320 TRANSITION TO INDEPENDENT LIVING- OFF-CAMPUS LIVING (0) SEM. Departmental approval. The goal of this course is to teach third and fourth year EAGLES students how to generalize skills they have learned into a community setting. Students have access to almost all their basic needs on a college campus, however, to successfully transition, students need to learn how to access these supports in their community and how to access them independently.

EAGL 0330 HOT TOPICS IN TRANSITION (0) SEM. 3. Departmental approval required. In this course, students build upon their knowledge from the first financial literacy class and create a personal budget and finance portfolio to plan their future expenses across all domains for living based on their income, family support, SSI benefits, and a nest egg to support the student while living on their own. Additionally, this course reviews how to protect oneself from fraud.

EAGL 0340 MEDICAL ASPECTS (0) SEM. 3. Assist students in developing working knowledge of medical aspects of their disability and the routine medical needed to live a healthy life. This course helps students develop a medical binder to help them be autonomous when answering questions at routine medical appointments. Additionally, this course explains the process of how insurance works, medical services needed, like routine physicals, dental health, and women's health and how to address acute issues like the common cold, headaches, etc. Departmental approval required.

EAGL 0410 EAGLES CAPSTONE PREPARATION (0) SEM. Departmental approval. Students will create an online portfolio including sections reflecting the five pillars of the EAGLES Program: academic enrichment, personal and social skills, independent living skills, health and wellness, and integrated work experiences. Students will explore areas of interest and set goals when it comes to career-making decisions and obtaining meaningful employment. Students will identify and learn to navigate resources available to them both while they are in the program and once they are alumni of the program, such as Auburn Career Services, LinkedIn, Indeed, and more. Students will hear from guest speakers focused on presenting valuable information regarding each area of the EAGLES Program's five pillars and how students can sustain their focus on these areas after completion of the advanced program.

EAGL 0420 WORK READY, WORLD READY (0) SEM. Departmental approval. In this course, students identify, explore, and interact with agencies that will benefit them post-program. Students learn resources available to individuals with intellectual disabilities and how to access and utilize the agencies. Students learn the benefits of each agency related to employment, independent living, and community living upon completion of the program.

EAGL 0430 BECOMING AN EAGLES ALUMNI (0) SEM. 3. The purpose of this course is to assist students in developing S.O.A.R. Planning documents in preparation for life after the EAGLES Program. The course helps students work through the 5 domains of the EAGLES Program to identify accommodations needed, personal goals, supports to achieve goals and action steps. Additionally, this course will assist EAGLES students in developing and updating important documents needed post-program. Departmental approval required.

Early Childhood Education Courses

CTEC 3020 PRIMARY MATH AND SCIENCE (3) LEC. 3. Exploration of learning and pedagogy for the development of math and science concepts appropriate for children in Kindergarten through Grade 3.

CTEC 3030 INTEGRATED CURRICULUM IN PRESCHOOL: EARLY LITERACY (3) LEC. 3. Coreq. CTEC 4911. This course focuses on the foundations of literacy learning including play, developmentally appropriate practices, and integration within and across disciplines through multisensory, multimodal means, connecting to the Alabama Developmental Standards. Admission to Teacher Education.

CTEC 3200 A WORKING THEORY FOR THE CONSTRUCTIVIST EDUCATOR (3) LEC. 3. Constructivist theory for pre-service teachers preparing to teach at the early childhood level.

CTEC 4200 THE CONSTRUCTIVIST TEACHER: STRATEGIES AND TECHNIQUES (3) LEC. 3. Construction of an operational knowledge of established constructive curriculum strategies and techniques.

CTEC 4210 THE CONSTRUCTIVIST TEACHER: GROWING PROFESSIONALLY (1) AAB/DSL. 1. Pr. P/C CTEC 4920 or P/C CTEC 4923. Admission to Clinical Residency. The roles and responsibilities of being an early childhood professional. May count either CTEC 4210 or CTEC 4213.

CTEC 4900 DIRECTED STUDIES (1-6) IND. SU. Departmental approval. Reading, research or other work undertaken independently by a student focused on a content area of special interest. Course may be repeated for a maximum of 6 credit hours.

CTEC 4910 PRACTICUM (1-6) PRA. SU. Departmental approval. Students and faculty cooperatively select and execute an appropriate field experience. Course may be repeated for a maximum of 6 credit hours.

CTEC 4911 PRACTICUM IN THE PRESCHOOL (1-2) LEC. 1-2. SU. Laboratory experiences with children from birth to five years of age designed to help students relate theory to practice. Course may be repeated for a maximum of 2 credit hours.

CTEC 4912 PRACTICUM IN PRIMARY GRADES (2) LEC. 2. SU. Laboratory experiences with children 5 through 9 years of age help students relate theory to practice.

CTEC 4920 CLINICAL RESIDENCY (1-12) AAB/DSL. 1-12. SU. Pr. P/C CTEC 4210 or P/C CTEC 4213. Admission to Clinical Residency. Experience in a setting serving pre-primary or primary-school children with varying abilities. Admission to internship. May count either CTEC 4920 or CTEC 4923. Course may be repeated for a maximum of 12 credit hours.

CTEC 7200 EARLY CHILDHOOD EDUCATION PERSPECTIVE (3) LEC. 3. Historical overview of current issues, trends, and programs in early childhood education. May count either CTEC 7200 or CTEC 7206.

CTEC 7210 ORIGINS OF THOUGHT (3) LEC. 3. Piaget's theories of how thought develops in young children. Comparison of the social and biological roots of thought. May not count either CTEC 7210 or CTEC 7216.

CTEC 7260 PLAY AND EARLY CHILDHOOD EDUCATION (3) LEC. 3. Examination of children's play from a constructivist theoretical perspective and translation of theory into early childhood educational practice. May count either CTEC 7260 or CTEC 7266.

CTEC 7270 THEORY-BASED PROBLEMS IN EARLY CHILDHOOD EDUCATION (3) LEC. 3. In-depth exploration of a problem related to the thought, writing and research that form the theoretical foundations of constructivist approaches in early childhood education. May count either CTEC 7270 or CTEC 7276. Course may be repeated for a maximum of 9 credit hours.

CTEC 7510 RESEARCH STUDIES IN EARLY CHILDHOOD EDUCATION (3) LEC. 3. How to read, review, analyze and interpret significant research studies in early childhood education. May count either CTEC 7510 or CTEC 7516.

CTEC 7520 CURRICULUM AND TEACHING IN EARLY CHILDHOOD EDUCATION (3) LEC. 3. Reappraisal of experiences and content for children by focusing on the nature of the learner and the nature of the knowledge to be learned. May count either CTEC 7520 or CTEC 7526.

CTEC 7530 ORGANIZATION OF PROGRAM IN EARLY CHILDHOOD EDUCATION (3) LEC. 3. Organization, administration, and supervision of early childhood programs. May count either CTEC 7530 or CTEC 7536.

CTEC 7540 EVALUATION OF PROGRAMS IN EARLY CHILDHOOD EDUCATION (3) LEC. 3. Assessment and evaluation of all program components from a constructivist perspective. May count either CTEC 7540 or CTEC 7546.

CTEC 7900 DIRECTED STUDIES (1-6) DSL/IND. SU. Departmental approval. Independent learning objectives related to the student's area of specialization. Includes evaluation at regular intervals by professor and student. Course may be repeated for a maximum of 6 credit hours.

CTEC 7910 PRACTICUM IN AREA OF SPECIALIZATION (1-6) DSL/PRA. SU. Experience relating theory and practice, usually in a school setting. Departmental approval. May count either CTEC 7910 or CTEC 7916. Course may be repeated for a maximum of 6 credit hours.

CTEC 7970 SPECIAL TOPICS (3-9) AAB. Departmental approval. Cooperative pursuit of selected concepts and theories, normally in small groups. Course may be repeated for a maximum of 9 credit hours.

CTEC 7990 RESEARCH AND THESIS (1-10) DSL/MST. Course may be repeated with change in topics.

CTEC 8240 RESEARCH IN EARLY CHILDHOOD EDUCATION (3) LEC. 3. Review, analysis and interpretation of available research with emphasis on designing new research to meet the needs of young children. May count either CTEC 8240 or CTEC 8246.

CTEC 8270 THEORY-BASED PROBLEMS IN EARLY CHILDHOOD EDUCATION (3) LEC. 3. In-depth exploration of problems related to the thought, writings, and research that form the theoretical foundations of constructivist approaches to early childhood education. Master's Degree. May count either CTEC 8270 or CTEC 8276. Course may be repeated for a maximum of 6 credit hours.

CTEC 8720 DESIGNING EARLY CHILDHOOD CURRICULUM (3) LEC. 3. Application of early childhood history, philosophy, program analysis and constructivist theory to the design of early childhood curriculum. Master's Degree. May count either CTEC 8720 or CTEC 8726.

CTEC 8850 CONSTRUCTIVIST INVESTIGATIONS IN EARLY CHILDHOOD SETTINGS (3) LEC. 3. Analysis and interpretation of the design of constructivist investigation. Master's Degree.

CTEC 8950 SEMINAR (3) SEM. 3. Selected concepts and theoretical formulations of common interest. Course may be repeated for a maximum of 12 credit hours.

CTEC 8970 SPECIAL TOPICS (3-9) DSL. Departmental approval. Cooperative pursuit of selected concepts and theories, normally in small groups. Course may be repeated for a maximum of 9 credit hours.

CTEC 8980 FIELD PROJECT (1-3) DSL/FLD. SU. Students conduct research on an educational problem and defend a field project report. Departmental approval. May not count either CTEC 8980 or CTEC 8986. Course may be repeated for a maximum of 3 credit hours.

CTEC 8990 RESEARCH AND DISSERTATION (1-10) DSL/DSR. Course may be repeated with a change in topic. Course may be repeated with change in topics.

Ed Resrch, Methods, Analysis Courses

ERMA 2400 APPLIED QUANTITATIVE DATA ANALYSIS IN EDUCATION AND HEALTH PROFESSIONS (3) LEC. 3. This course provides undergraduate students who are interested in education, counseling, school psychology, or health professions with data management, data analysis reasoning, and data-based decision-making skills.

ERMA 4330 INTRODUCTION TO SPORTS ANALYTICS (3) LEC. 3. Pr. MATH 1100 or MATH 1120 or MATH 1123 or MATH 1130 or MATH 1133 or MATH 1150 or MATH 1153 or MATH 1610 or MATH 1613 or MATH 1617 or MATH 1680 or MATH 1683. This course provides an introduction to the field of sports analytics, which is the use of scientific techniques to model sports performance. This course will introduce students to individual and team performance measures, their interpretation and basic analyses using those measures.

ERMA 7100 ADVANCED STUDY OF EDUCATIONAL MEASUREMENT AND EVALUATION (3) LEC. 3. Educational measurement and evaluation with special emphasis on uses of measurement data such as standardized testing and emerging evaluation models such as alternative and authentic assessment.

ERMA 7110 EDUCATIONAL PSYCHOLOGY AND ASSESSMENT (3) LEC. 3. Study of educational psychology as it applies to understanding the teaching-learning process. Measurement and evaluation skills will also be covered.

ERMA 7200 BASIC METHODS IN EDUCATION RESEARCH (3) LEC. 3. Major modes of inquiry in contemporary educational research including experimental, casual comparative, descriptive, qualitative inquiry, and action research models.

ERMA 7210 THEORY AND METHODOLOGY OF QUALITATIVE RESEARCH (3) LEC. 3. Major modes of qualitative research, their underlying philosophical assumptions about knowledge, and the major strategies for collecting and analyzing relevant data.

ERMA 7220 APPLIED QUALITATIVE RESEARCH (3) LEC. 3. Pr. ERMA 7210 or ERMA 7216 or FOUN 7210. Study of detailed strategies of data collection, principles of observation, interviewing, focus groups, recording and coding data, triangulation, strategies for analyzing coded data, and writing up of one's findings.

ERMA 7230 WRITING AS INQUIRY IN QUALITATIVE RESEARCH (3) LEC. 3. Pr. ERMA 7210 or ERMA 7216. This course is based on the assumption that qualitative researchers learn their trade through both scholarship (i.e., deskwork) and firsthand experience (i.e., fieldwork). We take away lessons from doing our own research and from the research experiences of others. For this reason, the course has three aims: to hone your skills reading methodological and empirical literature; to experiment with analysis via writing, including crafting reports of findings and other pieces of writing; and to reflect meaningfully on these processes, including their theoretical, methodological, and ethical dimensions.

ERMA 7240 THINKING WITH THEORY IN QUALITATIVE RESEARCH (3) LEC. 3. Pr. ERMA 7210 or ERMA 7216. This course is designed to give an overview and introduction to a variety of theorists and theoretical approaches that are often used in qualitative inquiry. We will compare and contrast the assumptions, design, and methods of different philosophies and theories in qualitative research.

ERMA 7300 DESIGN AND ANALYSIS IN EDUCATION I (3) LEC. 3. Departmental approval. Basic methods of inferential analysis including t-tests, between and within subjects ANOVA, mixed ANOVAs and hierarchical designs as they are utilized in educational research.

ERMA 7310 DESIGN AND ANALYSIS IN EDUCATION II (3) LEC. 3. Pr. (FOUN 7300 or ERMA 7300) or (FOUN 7306 or ERMA 7306). Bivariate and multiple correlation and regression analysis, trend analysis, analysis of covariance, and logistic regression, as they are utilized in educational research. Departmental approval. May count either ERMA 7310 or ERMA 7316.

ERMA 7320 APPLIED QUANTITATIVE RESEARCH (3) LEC. 3. Pr. (ERMA 7200 or ERMA 7206 or FOUN 7200 or FOUN 7206) and (ERMA 7300 or ERMA 7306 or FOUN 7300 or FOUN 7306). The study and application of detailed strategies of research study designs, data collection, analysis, and reporting of quantitative data. Course may be repeated for a maximum of 6 credit hours.

ERMA 7400 MIXED METHODS RESEARCH (3) LEC. 3. Pr. ERMA 7200 or ERMA 7206 or ERMA 7210 or ERMA 7216 or ERMA 7300 or ERMA 7306. Overview and introduction to the use of mixed methods research in the social and behavioral sciences.

ERMA 7410 RESEARCH METHODS FOR SOCIAL JUSTICE AND EQUITY (3) LEC. 3. Pr. ERMA 7300 or ERMA 7306 or ERMA 7210 or ERMA 7216 or ERMA 7400. This course focuses on critical educational research in the scholar-activist model. Through engaging with critical theoretical frameworks, critical empirical research, and research methods, this course prepares students to produce research and scholarship for social justice and equity in education.

ERMA 7900 DIRECTED STUDIES (1-6) IND. SU. Special study in which the student's learning efforts are guided toward desired objectives. Course may be repeated for a maximum of 6 credit hours.

ERMA 7910 PRACTICUM IN EDUCATIONAL RESEARCH, MEASUREMENT, AND EVALUATION (1-3) LEC. 1-3. SU. Pr. (ERMA 7210 or ERMA 7216) and (ERMA 7300 or ERMA 7306). Supervised experience related to area of specialization within educational research, measurement, and evaluation. Course may be repeated for a maximum of 6 credit hours.

ERMA 7970 SPECIAL TOPICS IN EDUCATION RESEARCH METHODS & ASSESSMENT (1-6) DSL/LEC. Consideration of historical, philosophical, social, psychological, measurement, statistics or research issues, and their impact on education. Course may be with a change in topic. Course may be repeated with change in topics.

ERMA 8100 PROGRAM EVALUATION (3) LEC. 3. Study of various theories and models of curriculum evaluation, methodological issues regarding planning and conducting evaluation studies, reporting and using information from evaluation.

ERMA 8120 TEACHER EVALUATION (3) LEC. 3. Analysis of research on teaching, classroom observation methods, teaching portfolios, supervision of teachers, license and certification assessment, ethical and legal consideration, and using information to improve teaching.

ERMA 8200 SURVEY RESEARCH METHODS (3) LEC. 3. Overview of survey research, sampling issues, selection and construction of survey instruments, response effects, issues influencing response rate, reliability and validity of survey data, and analysis of survey data.

ERMA 8210 PREP RESEARCH FOR PUBLICATION (3) LEC. 3. SU. Pr. (ERMA 7300 or ERMA 7306) and (ERMA 7310 or ERMA 7316) and (ERMA 7210 or FOUN 7210 or FOUN 7300 or FOUN 7306 or FOUN 7310 or FOUN 7316). Preparation of graduate student research for publication or presentation at professional conference through practice, group discussions, peer review and feedback from experienced editorial board members. May count either ERMA 8210 or ERMA 8216.

ERMA 8320 DESIGN AND ANALYSIS IN EDUCATION III (3) LEC. 3. Pr. (FOUN 7310 or ERMA 7310) or (ERMA 7316 or FOUN 7316). Departmental approval. Discriminate analysis, MANOVA, canonical correlation, path analysis, exploratory and confirmatory factor analysis, and hierarchical linear modeling as they are utilized in educational research.

ERMA 8330 NON-PARAMETRIC DATA ANALYSIS IN EDUCATION RESEARCH (3) LEC. 3. Pr. FOUN 7300 or FOUN 7306 or ERMA 7300 or ERMA 7306. Departmental approval. Common non-parametric statistical tests appropriate for use with nominal and ordinal data in educational applications. These include rank-order correlation, sign tests, median tests, analysis of variance of ranks and log-linear analysis.

ERMA 8340 A PRACTICAL INTRODUCTION TO STRUCTURAL EQUATION MODELING (3) LEC. 3. Pr. (FOUN 8320 or ERMA 8320 or ERMA 8326). Departmental approval. Theory and practice of structural equation modeling techniques as they are utilized in educational research will be developed by expanding concepts of multiple linear regression and exploratory factor analysis to allow for correlation and causally related latent constructs.

ERMA 8350 ADVANCED MEASUREMENT THEORY (3) LEC. 3. Pr. (FOUN 7300 or ERMA 7300 or ERMA 7306 or FOUN 7306) and (FOUN 7310 or ERMA 7310 or FOUN 7316 or ERMA 7316). Introduction to classical and modern (IRT) test theory, measurement properties, differential item functioning, standard and adaptive testing.

ERMA 8990 RESEARCH AND DISSERTATION (1-10) DSL/DSR. Individualized support and direction for students writing their dissertations. Course may be repeated with change in topics.

Educational Leadership Courses

EDLD 7200 SUPERVISION AND PERSONNEL MANAGEMENT (3) LEC. 3. Supervision theory and practice with responsibility for leadership in the recruitment, evaluation and staff development of employees. May count either EDLD 7200 or EDLD 7206.

EDLD 7210 MULTIPROFESSIONAL LEADERSHIP FOR EQUITY (3) LEC. 3. National, state, and local evidence will inform students' understanding of diversity issues in schools. Theories, concepts and principles of leadership from a multidisciplinary, multiprofessional perspective, will be applied to addressing issues of equity in schools. May count either EDLD 7210 or EDLD 7216.

EDLD 7220 ORGANIZATIONAL AND SCHOOL MANAGEMENT (3) LEC. 3. This course will prepare students in understanding legal and ethical responsibilities of school leaders, fiscal revenues and expenditures of Alabama public schools, using action research and components of a comprehensive, ongoing, planning and budgeting program. May count either EDLD 7220 or EDLD 7226.

EDLD 7330 INTRODUCTION TO CURRICULUM AND INSTRUCTIONAL LEADERSHIP (3) LEC. 3. Principles of curriculum development and the leadership skills required to enact it with emphasis on school settings.

EDLD 7340 OVERVIEW OF CURRICULUM PROCESSES (3) LEC. 3. Curriculum as a field of study; the first course required for the ASC concentration in curriculum; an overview of curriculum history, processes, models, and designs.

EDLD 7500 PRINCIPAL LEADERSHIP (3) LEC. 3. Designed to serve instructional leaders in K-12 settings concerning leadership dispositions and leadership theory important to promoting student success and achievement. May count either EDLD 7500 or EDLD 7506.

EDLD 7510 ACTION RESEARCH AND DATA ANALYSIS (3) LEC. 3. Research methodologies to improve instructional and school-based decision-making action, qualitative, and case study techniques applied to school, classroom, or school-community observation. May count either EDLD 7510 or EDLD 7516.

EDLD 7520 LEADERSHIP AND THE LEARNING ORGANIZATION (3) LEC. 3. Management of schools as learning organizations; issues related to student learning and achievement through attention to organizational components. May count either EDLD 7520 or EDLD 7526.

EDLD 7530 PLANNING AND CONTINUOUS IMPROVEMENT (3) LEC. 3. Development of frameworks for collection, analysis, and use of school data for the improvement of instruction, the learning environment, and student achievement. May count either EDLD 7530 or EDLD 7536.

EDLD 7540 INSTRUCTIONAL AND CURRICULAR LEADERSHIP (3) LEC. 3. Curriculum design and development; areas of study include student needs, organizational mission and goals, data driven improvement, change process, diverse faculty, curriculum alignment tools. May count either EDLD 7540 or EDLD 7546.

EDLD 7550 EDUCATIONAL FINANCE AND RESOURCE MANAGEMENT (3) LEC. 3. Preparation of pro-active leaders in school business affairs; use of action research and components of a comprehensive, ongoing, planning and budgeting program; facilities management. May count either EDLD 7550 or EDLD 7556.

EDLD 7560 EDUCATIONAL SYSTEMS AND COMMUNITIES (3) LEC. 3. Change theory, forecasting, trend analysis and application of these concepts to student achievement and school improvement efforts.

EDLD 7570 LEGAL AND ETHICAL ISSUES (3) LEC. 3. Ethical and legal provisions for education communities: emphasis on the support of and belief in the cultural value of a diverse and educated democratic society. May count either EDLD 7570 or EDLD 7576.

EDLD 7580 SUPERVISION AND PERSONNEL ISSUES IN EDUCATION (3) LEC. 3. Policies and practices related to teacher recruitment, selection, evaluation, and professional development; faculty/staff developmental processes that impact student achievement and school improvement efforts. May count either EDLD 7580 or EDLD 7586.

EDLD 7900 DIRECTED STUDIES (1-9) IND. SU. Independent study directed toward desired objectives. Includes evaluation by professor and student at regular intervals. Course may be repeated for a maximum of 9 credit hours.

EDLD 7910 PRACTICUM (1-6) PRA. Experience closely relating theory and practice, usually conducted in realistic settings. May count either EDLD 7910 or EDLD 7916. Course may be repeated for a maximum of 6 credit hours.

EDLD 7920 ADMINISTRATIVE INTERNSHIP (1-6) AAB/INT. Departmental approval. Opportunities for interns to internalize and employ administrative skills learned during graduate coursework. Course may be repeated for a maximum of 6 credit hours.

EDLD 7930 ADMINISTRATIVE INTERNSHIP/RESIDENCY (1-3) INT. Ongoing field-based experiences in educational administration; observation, participation, and leading with practicing administrators in school systems. Course may be repeated for a maximum of 3 credit hours.

EDLD 7970 SPECIAL TOPICS (1-9) LEC. Variable content for advanced studies in the area of educational leadership. Course may be repeated for a maximum of 9 credit hours.

EDLD 8200 ASSESSMENT AND EVALUATION IN LEARNING ORGANIZATIONS (3) LEC. 3. Study of assessment and evaluation practices that enable learning organizations to use data for decision-making purposes. May count either EDLD 8200 or EDLD 8206.

EDLD 8210 EDUCATIONAL LEADERSHIP: THEORY AND PRACTICE (3) LEC. 3. Educational leadership theory and applications for K-12 settings. May count either EDLD 8210 or EDLD 8216.

EDLD 8220 PERSONAL AND PROFESSIONAL DEVELOPMENT (3) LEC. 3. Includes theoretical frameworks and applications for successful and systematic mentoring of professionals in organizations. May count either EDLD 8220 or EDLD 8226.

EDLD 8230 SYSTEMIC PLANNING AND BUDGETING (3) LEC. 3. Covers the components and implementation of a comprehensive ongoing planning and budgeting program for learning organizations.

EDLD 8240 TRENDS AND ISSUES IN EDUCATIONAL ADMINISTRATION (3) LEC. 3. Trends and issues affecting educational institutions with particular attention to development of administrative procedures to cope with educational changes. May count either EDLD 8240 or EDLD 8246.

EDLD 8250 ORGANIZATIONAL POWER, POLITICS AND POLICY FORMATION (3) LEC. 3. Analysis of social forces, antecedent movements, and political actions affecting organizations. The study of policy development and practice. May count either EDLD 8250 or EDLD 8256.

EDLD 8260 THEORY AND DEVELOPMENT OF ORGANIZATIONS (3) LEC. 3. Theoretical frameworks of educational organizations. May count either EDLD 8260 or EDLD 8266.

EDLD 8270 LEADERSHIP IN FINANCE AND MANAGEMENT (3) LEC. 3. Theory and practice of instructional leadership related to personnel and fiscal management of a school or school district. May count either EDLD 8270 or EDLD 8276.

EDLD 8280 THE SUPERINTENDENCY IN EDUCATION (3) LEC. 3. Theoretical frameworks of educational organizations.

EDLD 8300 CURRICULUM THEORY AND PRACTICE (3) LEC. 3. Advanced course dealing with application of curriculum theories with an emphasis on the impact of philosophical and theoretical beliefs on practice.

EDLD 8310 LEADERSHIP IN THE DEVELOPMENT AND APPLICATION OF CURRICULUM AND THEORY DESIGN (3) LEC. 3. Application of transformative leadership in the design, delivery, and evaluation of curriculum in a wide variety of organizational settings. May count either EDLD 8310 or EDLD 8316.

EDLD 8320 CURRICULUM LEADERSHIP FOR ORGANIZATIONS (3) LEC. 3. Pr. EDLD 7340 and EDLD 8300 and EDLD 8310 or EDLD 8316. Departmental approval. For those considering a career in upper level management. Focuses on context, societal, and political influences related to curriculum processes and organizational change. May count either EDLD 8320 or EDLD 8326.

EDLD 8340 TRANSFORMATIONAL PROCESSES AND ORGANIZATIONAL CHANGE (3) LEC. 3. Organizational and transformational change at personal, interpersonal, and institutional levels. May count either EDLD 8340 or EDLD 8346.

EDLD 8400 ETHICS FOR LEADERS (3) LEC. 3. Theory and practice of ethics and the role of ethical and personal integrity for leaders in the context of educational organizations and the communities they serve. May count either EDLD 8400 or EDLD 8406.

EDLD 8480 INSTITUTIONAL RESEARCH AND DECISION SUPPORT (3) LEC. 3. Components of institutional research and assessment programs that can support the comprehensive planning, decision support, and management needs of the institution.

EDLD 8600 MENTORING FOR CAREER DEVELOPMENT (3) LEC. 3. Assist graduate students in discovering how mentoring can enhance their career/professional development and benefit their organizations. May count either EDLD 8600 or EDLD 8606.

EDLD 8940 DIRECTED FIELD EXPERIENCE IN EDUCATIONAL LEADERSHIP (1-6) FLD. Field-based experience in diverse settings to develop knowledge, skills, and abilities in an area of special interest. Course may be repeated for a maximum of 6 credit hours.

EDLD 8950 SEMINAR (3) DSL/SEM. 3. Professional and social integration into doctoral program; enhancement of professional knowledge through structured inquiry, professional dialogue, and reflective thinking. May count either EDLD 8950 or EDLD 8956. Course may be repeated for a maximum of 6 credit hours.

EDLD 8980 PROJECT ANALYSIS (3) LEC. 3. Problem solving, reflective practice and action research and used for continuous school improvement. Provides opportunities to engage in diverse field based research projects. May count either EDLD 8980 or EDLD 8986.

EDLD 8990 RESEARCH AND DISSERTATION (1-10) DSL/DSR. Individualized support and direction for students writing their dissertation. Course may be repeated for a maximum of 10 hours. Course may be repeated with change in topics.

Educational Media Courses

EDMD 3300 UTILIZATION OF INSTRUCTIONAL TECHNOLOGY FOR EDUCATORS (2) LEC. 1. LAB. 2. Basics of current and emerging instructional & communication technologies with primary emphasis on curricular integration. Location, selection, and application of technology resources (WWW, commercially authored software, etc.) for curricular needs with emphasis on developmental stages, learning styles and learning technologies. Limited to majors requiring teaching certification.

EDMD 5000 INSTRUCTIONAL TECHNOLOGY FOR TEACHING AND LEARNING (3) LEC. 3. Introduction to the systematic application of instructional technologies in teaching and learning environments.

EDMD 5100 MEDIA FOR CHILDREN (3) LEC. 3. Examination and evaluation of current literature in print and other formats, including oral literature. Focuses on literary and instructional criteria for selecting and utilizing media.

EDMD 6000 INSTRUCTIONAL TECHNOLOGY FOR TEACHING AND LEARNING (3) LEC. 3. Introduction to the systematic application of instructional technologies in teaching and learning environments. May count either EDMD 6000 or EDMD 6006.

EDMD 6100 MEDIA FOR CHILDREN (3) LEC. 3. Examination and evaluation of current literature in print and other formats, including oral literature. Focuses on literary and instructional criteria for selecting and utilizing media.

EDMD 7000 INSTRUCTIONAL DESIGN AND DEVELOPMENT (3) LEC. 3. Theory, problems, procedures, and standards in the utilization of technology in instructional design and development. May count either EDMD 7000 or EDMD 7006.

EDMD 7010 INSTRUCTIONAL AND INFORMATION TECHNOLOGIES (3) LEC. 3. Evaluation, selection, and use of traditional and current technologies for instruction, information, and administration in learning environments. May count either EDMD 7010 and EDMD 7016.

EDMD 7020 PRINCIPLES OF GRAPHIC DESIGN FOR INSTRUCTION (3) LEC. 3. Principles of graphic design and visual literacy to facilitate the presentation of information. Criteria for graphics utilization examined. May count either EDMD 7020 or EDMD 7026.

EDMD 7030 DIVERSE CHILDREN'S AND YOUNG ADULT LITERATURE: ISSUES, TRENDS, & CONTROVERSIES (3) LEC. 3. Examination of current issues, trends, and controversies in diverse children's and young adult literature. Particular focus is given to literature by and about people from population groups traditionally defined by race, class, ethnicity, religion, ability, gender and sexuality. Course participants will investigate theoretical perspectives, scholarly discussions, and methodological implications for these texts.

EDMD 7100 SELECTION AND USE OF MEDIA FOR YOUTH (3) LEC. 3. Pr. EDMD 7030 or EDMD 7036. Evaluation, selection, and use of print and non-print media for youth, including materials for multi-cultural, special and gifted education. May count either EDMD 7100 or EDMD 7106.

EDMD 7110 BIBLIOGRAPHIC DESCRIPTION, ORGANIZATION AND CONTROL (3) LEC. 3. Principles and procedures of describing, classifying and organizing resources with applications using new technologies. May count either EDMD 7110 or EDMD 7116.

EDMD 7120 INFORMATION SOURCES, SERVICES AND INSTRUCTION (3) LEC. 3. An overview of information needs, services, and print and electronic resources; ways to teach information literacy skills. May count either EDMD 7120 or EDMD 7126.

EDMD 7130 ADMINISTRATION OF MEDIA AND TECHNOLOGY SERVICES (3) LEC. 3. Functions of and planning for media and technology services. Budget, evaluation, facilities, guidelines, legal issues, personnel and policies. May count either EDMD 7130 or EDMD 7136.

EDMD 7200 APPLIED INSTRUCTIONAL DESIGN (3) LEC. 3. Pr. EDMD 7000 or EDMD 7006. Applying instructional design skills, students will plan, develop, implement and assess instructional products using appropriate technologies. May count either EDMD 7200 or EDMD 7206.

EDMD 7210 INTEGRATION OF TECHNOLOGY INTO CURRICULUM (3) LEC. 3. Learner competence in integration of technology into curriculum, including designing and writing software and plans for using computers in instruction. May count either EDMD 7210 or EDMD 7216.

EDMD 7230 THEORY AND PRACTICE OF DISTANCE EDUCATION (3) LEC. 3. Theories, concepts, and tools that support distance education, with emphasis on application in design, development, and implementation of distance education instruction. May count either EDMD 7230 or EDMD 7236.

EDMD 7300 RESEARCH IN INSTRUCTIONAL TECHNOLOGY (3) LEC. 3. Pr. ERMA 7200 or FOUN 7200 or ERMA 7206 or FOUN 7206. A forum for sharing research perspectives, exploring processes involved in defining research problems and analyzing research theories, problems, and methods in instructional technology. May count either EDMD 7300 or EDMD 7306.

EDMD 7310 EVALUATION OF MEDIA AND TECHNOLOGY PROGRAMS (3) LEC. 3. Factors contributing to effective media and technology programs. Understanding of research process and experience with media and technology services assumed. May count either EDMD 7310 or EDMD 7316.

EDMD 7320 ADVANCED INFORMATION SOURCES AND SERVICES (3) LEC. 3. Electronic databases, advanced searching techniques, information representation, and the role of the media specialist in networking and creating electronic information sources. May count either EDMD 7320 or EDMD 7326.

EDMD 7900 DIRECTED STUDIES (1-6) DSL/IND. SU. Independent study directed toward desired objectives. Includes evaluation by professor of student's work accomplished at regular intervals.

EDMD 7910 PRACTICUM (1-6) PRA. SU. Experiences closely relating theory and practice, usually conducted in realistic settings. Course may be repeated for a maximum of 6 credit hours.

EDMD 7920 CLINICAL RESIDENCY (1-6) DSL/INT. SU. Pr. (P/C EDMD 7120 or P/C EDMD 7126) and (P/C EDMD 7130 or P/C EDMD 7136). Supervised experience in a school media center or other appropriate setting. These experiences, accompanied by regularly scheduled meetings with the university supervisor, provide evaluation and analysis of the intern experience. May count either EDMD 7920 or EDMD 7926. Course may be repeated for a maximum of 6 credit hours.

EDMD 7930 TEACHING APPRENTICESHIP (3) SEM. 3. Departmental approval. A structured opportunity for students to apply educational media concepts and theories in the college classroom. Course may be repeated for a maximum of 6 credit hours.

EDMD 7940 DIRECTED FIELD EXPERIENCE (3-6) FLD. SU. Pr. FOUN 7200 or ERMA 7200 or ERMA 7206 or FOUN 7206. Field-based study in the area of media and technology. Addresses a scholarly concern of the student and is conducted using valid research techniques. Course may be repeated for a maximum of 6 credit hours.

EDMD 7970 SPECIAL TOPICS IN INSTRUCTIONAL TECHNOLOGY (3-9) LEC. 3. Opportunity for study of current topics related to the field of instructional technology. Course may be repeated for a maximum of 9 credit hours.

EDMD 7980 FIELD PROJECT (3-6) INT. SU. Pr. ERMA 7200 or ERMA 7206 or FOUN 7200 or FOUN 7206. Field-based study in the area of media and technology. Addresses a scholarly concern of the student and is conducted using valid research techniques.

Educational Psychology Courses

EPSY 4100 LEARNING & WELLNESS IN LATER LIFE (3) LEC. 3. Relevant settings, processes, and purposes of learning for older adults. Learner characteristics will also be examined including motivations and needs. Examples of curricula and programs will be explored in-depth such as learning for family harmony, life transitions and adjustment, community involvement, recreation, reciprocity, wellness, and health.

EPSY 7100 LEARNING & WELLNESS IN LATER LIFE (3) LEC. 3. Relevant settings, processes, and purposes of learning for older adults. Learner characteristics will also be examined including motivations and needs. Examples of curricula and programs will be explored in-depth such as learning for family harmony, life transitions and adjustment, community involvement, recreation, reciprocity, wellness, and health.

EPSY 7400 ED PSYCH & EDUCATIONAL IMPLICIA (3) LEC. 3. Educational psychology theory and research addressing critical problems, challenges, and opportunities in education or other growth-oriented settings. Content ranges from the study of learning to educational evaluation and authentic assessment.

EPSY 7410 THE INDIVIDUAL IN THE TEACHING-LEARNING PROCESS (3) LEC. 3. The study of human growth, development, and motivation theory and research, including culture, socio-economic status, language, gender and race as a base for understanding individual differences and their sources.

EPSY 7420 LEARNING THEORY AND EDUCATIONAL PRACTICE (3) LEC. 3. Advanced study of learning theory and research with an emphasis on application to effective design, implementation, and evaluation of instruction.

EPSY 7430 MOTIVATION AND ACHIEVEMENT (3) LEC. 3. Social, cultural, and psychological antecedents of achievement motivation are examined. This process requires reviewing theories and research, and emphasis is placed on discerning implications for practice and policy.

EPSY 7440 CLASSROOM MANAGEMENT: SKILLS AND REFLECTION (3) LEC. 3. Advanced study and analysis of existing classroom management discipline models including observation research activity.

EPSY 7900 DIRECTED STUDIES (1-6) IND. SU. Special study in which the student's learning efforts are guided toward desired objectives. Course may be repeated for a maximum of 6 credit hours.

EPSY 7970 SPECIAL TOPICS IN FOUNDATION OF EDUCATION (3-6) LEC. 3-6. Consideration of historical, philosophical, social, psychological, measurement, statistics or research issues, and their impact on education. Course may be repeated for a maximum of 6 credit hours.

EPSY 8410 LEARNING IN THE SOCIAL CONTEXT (3) LEC. 3. Examination of the complex nature of learning as a socially-shared and individualized process. Topics may include the social construction of knowledge, scaffolded instruction, cognitive apprenticeships, and problem based learning.

EPSY 8430 TOPICAL SEMINAR IN LEARNING, COGNITION, AND INSTRUCTION (3) LEC. 3. An intensive and advanced study of research and theory on selected topics. Examples include folk theories of mind and alternative methods of studying thinking.

EPSY 8440 ED PSYCH APPRENT SEMINAR (3) LEC. 3. Focuses on the historical foundations of educational psychology as well as possibilities for future disciplinary development.

EPSY 8540 EDUCATIONAL PSYCHOLOGY RESEARCH APPRENTICESHIP SEMINAR (3) LEC. 3. A structured context for students to begin applying what they have learned from their research methods and statistic courses. Students will design and conduct research that contributes to the educational psychological knowledge base.

EPSY 8640 EDUCATIONAL PSYCHOLOGY LEARNING AND INSTRUCTION APPRENTICESHIP SEMINAR (3) LEC. 3. A structured opportunity for students to begin applying educational psychological concepts and theories in the classroom. Students will study theories of learning and instruction and begin to translate and implement these theories into practice.

EPSY 8990 RESEARCH AND DISSERTATION (1-10) DSR. Individualized support and direction for students writing their dissertations. Course may be repeated with changes in topic.

Elementary Education Courses

CTEE 2000 DIGITAL LITERACY AND COMPUTER SCIENCE IN EDUCATION (4) LEC. 3. LAB. 1. Introduction of foundational computer science concepts and practices relevant to K-6 teachers. Emphasis on the application of computational thinking skills to the development of a block-based programing as well as digital literacy skill development. Limited to majors requiring teaching certification.

CTEE 3100 INTRODUCTION TO ELEMENTARY EDUCATION (3) LEC. 3. Admission to Teacher Education. Knowledge, skills, and dispositions necessary for elementary education, with emphasis on professional expectations and school structure.

CTEE 4000 FORMATIVE ASSESSMENT IN ELEMENTARY MATHEMATICS (3) LEC. 3. Admission to Teacher Education. Coreq. CTEE 3100. Examination into mathematics learning trajectories content and ways to assess student thinking in the area of mathematics. Admission to Teacher Education required.

CTEE 4010 CURRICULUM: SOCIAL SCIENCE (4) LEC. 30. LAB. 105. Admission to Teacher Education. Pedagogical content knowledge in the major concepts and modes of inquiry for integrated study of social sciences for elementary learners.

CTEE 4020 CURRICULUM: LANGUAGE ARTS (4) LEC. 30. LAB. 105. Pr. P/C CTEE 4010. Pedagogical content knowledge in the major concepts and modes of inquiry for integrated study of language arts for elementary learners.

CTEE 4030 CURRICULUM: NATURAL SCIENCE (4) LEC. 30. LAB. 105. Pr. P/C CTEE 4040. Admission to Teacher Education. Pedagogical content knowledge, principles, and standards in the major concepts and modes of inquiry for integrated study of science for elementary learners.

CTEE 4040 CURRICULUM: MATHEMATICS (4) LEC. 30. LAB. 105. Pr. P/C CTEE 4030. Pedagogical content knowledge, principles, and standards in the major concepts and modes of inquiry for integrated study of mathematics for elementary learners.

CTEE 4190 EFFECTIVE CLASSROOM MANAGEMENT IN THE ELEMENTARY SCHOOL (3) LEC. 2. LAB. 2. Admission to Teacher Education. Through exploration, discussion, reflection, and analysis students will study issues pertaining to inclusive/ multicultural K-6 classrooms. Issues related to classroom management (e.g. behavior and time management), students with special needs, parent/ community relations, legal mandates, technology, planning, and professionalism.

CTEE 4900 DIRECTED STUDIES (1-6) IND. SU. Departmental approval. Reading, research, or other work undertaken by a student focused on a content area of special interest. The student is directed by a faculty member. Course may be repeated for a maximum of 6 credit hours.

CTEE 4910 PRACTICUM (1-6) AAB/PRA. SU. Departmental approval. Students and faculty cooperatively select an appropriate field experience. Course may be repeated for a maximum of 6 credit hours.

CTEE 4920 CLINICAL RESIDENCY (11) AAB. 11. SU. Pr. P/C CTEE 4950 or P/C CTEE 4953. Admission to Teacher Education. Supervised teaching in a public elementary school accompanied by scheduled discussions to analyze and evaluate the intern's experience. Admission to internship. May count either CTEE 4920 or CTEE 4923.

CTEE 4950 PROFESSIONAL DEVELOPMENT SEMINAR (1-4) AAB. 1. SU. Pr. P/C CTEE 4920 or P/C CTEE 4923. Admission to Teacher Education. Reflection, exploration, and study of elementary education practices in kindergarten through grade six. May count either CTEE 4950 or CTEE 4953. Course may be repeated for a maximum of 4 credit hours.

CTEE 4967 HONORS SPECIAL PROBLEMS (1-3) IND. Pr. Honors College. Departmental approval. Individual readings program. Course may be repeated for a maximum of 3 credit hours.

CTEE 4970 SPECIAL TOPICS (1-6) AAB/LEC. Departmental approval. Cooperatively selected concepts and theories pursued, normally in small groups. Course may be repeated for a maximum of 6 credit hours.

CTEE 4997 HONORS THESIS (1-3) IND. Pr. Honors College. Departmental approval. The student thesis is finalized in this course. Course may be repeated for a maximum of 3 credit hours.

CTEE 7010 APPROACHES TO TEACHING (3) LEC. 3. Organizational patterns, planning and approaches to instruction in the elementary school.

CTEE 7410 CURRICULUM AND TEACHING IN SOCIAL SCIENCE (GRADES K-6) (3) LEC. 3. Teaching practices and re-appraisal of selecting experiences and content for curriculum improvement in (K-6) social science education. May count either CTEE 7410 or CTEE 7416.

CTEE 7420 CURRICULUM AND TEACHING IN LANGUAGE ARTS (GRADES K-6) (3) LEC. 3. Teaching practices and re-appraisal of selecting experiences and content for curriculum improvement in (K-6) language arts education. May count either CTEE 7420 or CTEE 7426.

CTEE 7430 CURRICULUM AND TEACHING IN NATURAL SCIENCE (GRADES K-6) (3) LEC. 3. Teaching practices and re-appraisal of selecting experiences and content for curriculum improvement in (K-6) natural science education. May count either CTEE 7430 or CTEE 7436.

CTEE 7440 CURRICULUM AND TEACHING IN MATHEMATICS (GRADES K-6) (3) LEC. 3. Teaching practices and re-appraisal of selecting experiences and content for curriculum improvement in (K-6) mathematics education. May count either CTEE 7440 or CTEE 7446.

CTEE 7490 THE ELEMENTARY SCHOOL PROGRAM (3) LEC. 3. Major curriculum areas and teaching practices in the modern elementary school. Implications of research and theory for the total elementary school program.

CTEE 7510 RESEARCH STUDIES IN EDUCATION IN AREAS OF SPECIALIZATION (3) LEC. 3. Pr. CTEE 7420 or CTEE 7426. A review, analysis and interpretation of data with emphasis on designing research to meet the changing needs of the school. May count either CTEE 7510 or CTEE 7516.

CTEE 7530 ORGANIZATION OF PROGRAMS IN ELEMENTARY EDUCATION (3) LEC. 3. Organization and development of basic and supplementary materials for guiding teachers and school systems in improvement of curriculum and teaching practices. May count either CTEE 7530 or CTEE 7536.

CTEE 7540 EVALUATION OF PROGRAMS IN AREAS OF SPECIALIZATION (3) LEC. 3. Evaluation methods and exploration of evaluation literature in areas of specialization. May count either CTEE 7540 or CTEE 7546.

CTEE 7900 DIRECTED STUDIES (1-6) DSL/IND. SU. Departmental approval. Independent study related to student's respective areas of specialization. Includes evaluation at regular intervals by professor and student. Course may be repeated for a maximum of 6 credit hours.

CTEE 7910 PRACTICUM IN AREA OF SPECIALIZATION (1-6) AAB. SU. Departmental approval. Provides individual students with experience relating theory and practice, usually in a school setting. Course may be repeated for a maximum of 6 credit hours.

CTEE 7970 SPECIAL TOPICS (1-6) AAB. Departmental approval. Cooperative pursuit of selected concepts and theories, normally in small groups. May count either CTEE 7970 or CTEE 7979. Course may be repeated for a maximum of 6 credit hours.

CTEE 7990 RESEARCH AND THESIS (1-10) MST. Course may be repeated for a maximum of 10 credit hours.

CTEE 8950 SEMINAR (3) SEM. 3. Selected concepts and theoretical formulations of common interest. Course may be repeated for a maximum of 12 credit hours.

CTEE 8970 SPECIAL TOPICS (1-6) LEC. Course may be repeated for a maximum of 6 credit hours.

CTEE 8980 FIELD PROJECT (1-10) DSL/FLD. SU. Students conduct research on an educational problem and defend a field project report. Departmental approval. May count either CTEE 8980 or CTEE 8986. Course may be repeated for a maximum of 10 credit hours.

CTEE 8990 RESEARCH AND DISSERTATION (1-10) DSR. Course may be repeated for a maximum of 20 credit hours.

English for Spkr Other Lang Courses

CTES 7400 TECHNOLOGY AND MEDIA IN ENGLISH FOR SPEAKERS OF OTHER LANGUAGES EDUCATION (ESOL) (3) LEC. 3. Application of instructional technology in second language instruction, authentic materials in the ESL classroom. May count either CTES 7400 or CTES 7406.

CTES 7410 CURRICULUM DEVELOPMENT IN ESOL EDUCATION (3) LEC. 3. LAB. 0, DSL/LEC. 0. This class will explore how to teach English for specific purposes by explaining how to create a curriculum in English for a particular context. The course will describe how to conduct a needs analysis and then create a curriculum based on the needs of the students.

CTES 7420 APPLIED LINGUISTICS IN SECOND LANGUAGE ACQUISITION (3) LEC. 3. Provides basic knowledge of phonetics, morphology, syntax, semantics, pragmatics, psycholinguistics, sociolinguistics and language variation to teach English language learners. May count either CTES 7420 or CTES 7426.

CTES 7430 TEACHING ESL LISTENING AND SPEAKING (3) LEC. 3. LAB. 0, DSL/LEC. 0. This course will prepare ESL/EFL teachers to develop engaging and effective listening and speaking lessons in a variety of contexts. Students will design and implement effective listening and speaking lessons for a variety of proficiency levels.

CTES 7440 TEACHING ESL READING AND WRITING (3) LEC. 3. LAB. 0, DSL/LEC. 0. This course will increase understanding of the theory and practices of reading and writing skills that actively engage English learners.

CTES 7460 TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES IN P-12 (3) LEC. 3. Teaching practices and curriculum selection in P-12 ESOL. May count either CTES 7460 or CTES 7466.

CTES 7470 ISSUES IN ENGLISH FOR SPEAKERS OF OTHER LANGUAGES EDUCATION (ESOL) (3) LEC. 3. Examination of central issues in the teaching and learning of ESOL including language policy, language diversity and multiculturalism. May count either CTES 7470 or CTES 7476.

CTES 7480 ASSESSMENT IN ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) (3) LEC. 3. Theoretical perspectives on assessment of English Language Learners. Developing, administering and analyzing assessment instruments. May count either CTES 7480 or CTES 7486.

CTES 7490 METHODS IN ESL GRAMMAR (3) LEC. 3. LAB. 0, DSL/LEC. 0. This course will explore the English language beyond the prescriptive rules commonly taught and to develop an in-depth understanding of the challenges English language learners have with grammar. It will explore ways grammar impacts writing and speaking, best practices for grammar instruction, and considerations in error correction. Key grammar lessons will be developed and practiced.

CTES 7920 CLINICAL RESIDENCY (1-9) AAB. SU. Supervised teaching in a K-12 public school accompanied by scheduled discussions to analyze and evaluate the intern's experience. Course may be repeated for a maximum of 9 credit hours.

Foundations of Education Courses

FOUN 3000 DIVERSITY OF LEARNERS AND SETTINGS (3) LEC. 2. LAB. 3. Pr. EDUC 1010 or EDUC 1013. Exploration of how sociopolitical factors and students' diverse identities shape their experiences and opportunities in educational settings and society, with a focus on the interaction between schooling and inequity. Includes a service-learning requirement.

FOUN 3100 CHILD DEVELOPMENT, LEARNING, MOTIVATION AND ASSESSMENT (6) LEC. 5. LAB. 3. Pr. EDUC 3000 or (FOUN 3000 and RSED 3000) or (FOUN 3000 and RSED 3003). With grades of "C" or better. Cognitive, psychosocial, and moral aspects of child development; integration of development, learning, motivation, assessment, and evaluation in context of instructional planning. May count either FOUN 3100 or FOUN 3103.

FOUN 3110 ADOLESCENT DEVELOPMENT, LEARNING, MOTIVATION AND ASSESSMENT I (3) LEC. 2. LAB. 3. Pr. EDUC 3000 or (FOUN 3000 and RSED 3000) or (FOUN 3000 and RSED 3003). An integrated approach to the effective instruction of the adolescent learner in context.

FOUN 3120 ADOLESCENT DEVELOPMENT, LEARNING, MOTIVATION AND ASSESSMENT II (3) LEC. 3. Pr. (FOUN 3110-3113 or CTSE 4070-4073 or CTSE 4090) and (EDUC 3000 or (FOUN 3000 and RSED 3000-3003)). Study of the adolescent development, learning, motivation, evaluation, and assessment concepts central to effective instruction. May count either FOUN 3120 or FOUN 3123.

FOUN 7000 CULTURAL FOUNDATIONS OF EDUCATION (3) LEC. 3. Advanced study of culture and its impact on the development and structure of education and schooling. Utilizing historical, philosophical, anthropological, and sociological perspectives, contemporary issues regarding the nature and practice of schooling will be examined. May count either FOUN 7000 or FOUN 7006.

FOUN 7010 HISTORY OF AMERICAN EDUCATION (3) LEC. 3. Examination of ideas, actors, and events which influenced the emergence of the formal school system, beginning with early American forms of education. May count either FOUN 7010 or FOUN 7016.

FOUN 7020 SOCIAL AND CULTURAL DIVERSITY IN AMERICAN EDUCATION (3) LEC. 3. Advanced study of education's response to cultural pluralism. The impact of religious, ethnic, social, and racial diversity on the structure of the American public school will be examined. May count either FOUN 7020 or FOUN 7026.

FOUN 7030 PHILOSOPHY AND EDUCATION (3) LEC. 3. Advanced study of philosophical questions and concepts as well as their application in education. May count either FOUN 7030 or FOUN 7036.

FOUN 7040 PHILOSOPHY AND EDUCATIONAL RESEARCH (3) LEC. 3. Advanced philosophical study of educational research within the context of education's professional culture.

FOUN 7050 GLOBAL PERSPECTIVES ON EDUCATION (3) LEC. 3. Exploration of global transformations in education and their implications for equity, diversity, and justice through the lens of comparative and international research.

FOUN 7900 DIRECTED STUDIES (1-6) IND. SU. Special study in which the student's learning efforts are guided toward desired objectives. Course may be repeated for a maximum of 6 credit hours.

FOUN 7930 TEACHING APPRENTICESHIP (3) IND. 3. Departmental approval. A structured opportunity for students to explore social foundations of education concepts and pedagogies in the college classroom. Course may be repeated for a maximum of 6 credit hours.

FOUN 7970 SPECIAL TOPICS IN FOUNDATIONS OF EDUCATION (3-6) LEC. 3-6. Consideration of historical, philosophical, social, psychological, measurement, statistics or research issues, and their impact on education. Course may be repeated for a maximum of 6 credit hours.

FOUN 8010 MODERN EDUCATION AND COMPARATIVE PERSPECTIVES (3) LEC. 3. Advanced comparative study of selected contemporary educational issues within the American and international urban context.

FOUN 8990 RESEARCH AND DISSERTATION (1-10) DSR. Individualized support and direction for students writing their dissertations. Courses may be repeated for a maximum for 10 hours. Course may be repeated with change in topics.

Higher Ed Administration Courses

HIED 7200 ORGANIZATIONAL ISSUES IN HIGHER EDUCATION (3) LEC. 3. Theory and practice of higher education organizations with emphasis on supervision and management of personnel.

HIED 7210 LEADERSHIP IN HIGHER EDUCATION (3) LEC. 3. Exploration, discussion and application of theories, concepts and principles of leadership applied to higher education organizations. May count either EDLD 7210 or HIED 7210.

HIED 7220 HIGHER EDUCATION MANAGEMENT (3) LEC. 3. Procedures and practices in school educational management.

HIED 7230 STUDENT SERVICES ADMINISTRATION POSTSECONDARY EDUCATION (3) LEC. 3. Organization, administration and evaluation of student personnel services in postsecondary education.

HIED 7240 LEGAL ISSUES IN HIGHER EDUCATION (3) LEC. 3. Constitutional and statutory provisions for education and an analysis of judicial decisions affecting higher education.

HIED 7250 COLLEGE STUDENT DEVELOPMENT (3) LEC. 3. Overview of major developmental theories affecting college students.

HIED 7260 COUNSELING AND ADVISING IN HIGHER EDUCATION (3) LEC. 3. Introduces counseling and advising theory and application for student services professionals in higher education.

HIED 7270 OVERVIEW OF POSTSECONDARY EDUCATION (3) LEC. 3. Overview of the history and evolution of postsecondary education in North America. May count either HIED 7270 or HIED 7276.

HIED 7400 SPORT MARKETING AND PUBLIC RELATIONS (3) LEC. 3. Marketing and public relations of sport organizations as associated with higher education institutions.

HIED 7410 SPORT ETHICS (3) LEC. 3. Covers ethical issues in sport organizations as associated with higher education institutions.

HIED 7900 DIRECTED STUDIES (1-6) IND. SU. Independent study directed toward desired objectives. Includes evaluation by professor and student at regular intervals. Course may be repeated for a maximum of 9 credit hours.

HIED 7910 PRACTICUM (3) PRA. 3. Departmental approval. Experience in the management of specific administrative offices. Course may be repeated for a maximum of 6 credit hours.

HIED 7920 INTERNSHIP (1-6) INT. SU. Departmental approval. Supervised internship experiences in a school, college or other appropriate setting. Evaluation and analysis of the internship experience. Course may be repeated for a maximum of 6 credit hours.

HIED 7970 SPECIAL TOPICS (1-6) LEC. 1-6. Current or advanced topics within area of specialization. Course may be repeated for a maximum of 6 credit hours.

HIED 8200 ASSESSMENT AND EVALUATION IN HIGHER EDUCATION (3) LEC. 3. Study of assessment and evaluation practices that enable learning organizations to use data for decision-making.

HIED 8230 PLANNING AND BUDGETING IN HIGHER EDUCATION (3) LEC. 3. Components and implementation of a comprehensive, ongoing planning and budgeting program in higher education.

HIED 8270 FINANCIAL MANAGEMENT IN HIGHER EDUCATION (3) LEC. 3. Educational finance including revenues, expenditures, cost, budgeting and accounting, and the local, state and federal role in supporting education.

HIED 8480 INSTITUTIONAL RESEARCH IN HIGHER EDUCATION (3) LEC. 3. Components of institutional research and assessment that support comprehensive planning, analysis, decision support and management needs of the higher educational institution May count either EDLD 8480 or HIED 8480.

HIED 8500 THE PROFESSORIATE (3) LEC. 3. Study of differences and similarities in faculty roles, work, and career paths using various disciplinary and institutional lenses.

HIED 8510 SEMINAR IN COLLEGE TEACHING (3) LEC/SEM. 3. Overview of major issues in higher education and methods of instruction in college teaching. Involves use of experiential learning, group and collaborative activities.

HIED 8950 SEMINAR (3) LEC. 3. Presentation by graduate students of research projects and/or analysis of procedures and finding. Course may be repeated for a maximum of 6 credit hours.

HIED 8990 RESEARCH AND DISSERTATION (1-10) DSL/DSR. Individualized support and direction for students writing their dissertation. Course may be repeated for a maximum of 10 credit hours.

Interdepartmental Education Courses

EDUC 1010 ORIENTATION TO TEACHER EDUCATION (0) LEC. 0. SU. Orientation to the teaching profession.

EDUC 5970 SPECIAL TOPICS (1-9) LEC. Opportunity for study of current topics related to the field of education in general. Course may be repeated for a maximum of 9 credit hours.

EDUC 6970 SPECIAL TOPICS (1-9) LEC. Opportunity for study of current topics related to the field of education in general. Course may be repeated for a maximum of 9 credit hours.

Kinesiology Courses

KINE 1100 WELLNESS & PUBLIC HEALTH (3) LEC. 3. Review content and theory associated with basic health information, critical health issues, economic, political, and cultural influences on health and wellness; concepts related to improving and maintaining optimal health and wellness, and basic concepts and principles of wellness for the self-appraisal of health-related physical fitness. May count either KINE 1100 or KINE 1103.

KINE 2000 PILLARS OF HEALTH: A JOURNEY TO OPTIMAL HEALTH & WELLBEING (3) LAB. 4. Students will learn and apply Mindfulness-Based Stress Reduction (MBSR) techniques and practices that have been shown, scientifically, to reduce stress and act as an aid to many health conditions that arise or are exacerbated by stress. On-campus labs are required.

KINE 2250 MOTOR DEVELOPMENT ACROSS THE LIFESPAN (2) LEC. 2. Develops understanding and skills concerning the broad concept of motor development across the lifespan. May count either KINE 2250 or KINE 2253.

KINE 2251 MOTOR DEVELOPMENT ACROSS THE LIFESPAN LABORATORY (1) LAB. 1. SU. Pr. (P/C KINE 2250 or P/C KINE 2253). Develops understanding and skills concerning the broad concept of motor development across the lifespan.

KINE 2500 SPORT OPTIMIZATION I (3) LEC. 2. LAB. 2. Basic concepts associated with the assessment of sport performance for the purpose of optimization.

KINE 2510 SPORT OPTIMIZATION II (3) LEC. 2. LAB. 2. Pr. KINE 2500 or KINE 2503 or HLHP 2500 or HLHP 2503. Concepts associated with the assessment and interpretation of sport performance for the purpose of optimization.

KINE 2800 INTRODUCTION TO KINESIOLOGY (3) LEC. 3. People, history and programs that have led to the current status of physical education, exercise science and health promotion.

KINE 3000 MEDICAL TERMINOLOGY FOR ALLIED HEALTH PROFESSIONS (3) LEC. 3. Focus on medical terminology/abbreviations used in allied health care and application to health care documentation. Web-based delivery.

KINE 3010 INSTRUCTION AND TECHNOLOGY IN KINESIOLOGY (2) LEC. 1. LAB. 2. Communication skills, instructional strategies and technological competencies related to conveying information in the Kinesiology disciplines. May count either KINE 3010 or KINE 3013.

KINE 3030 INTRODUCTION TO PERSONAL TRAINING (3) LEC. 3. Theoretical knowledge and skills in preparation of national certification in personal training. Topics include guidelines for instructing safe, effective, and purposeful exercise, essentials of the client-trainer relationship, conducting health and fitness assessments, and designing and implementing appropriate exercise programming.

KINE 3031 INTRODUCTION TO PERSONAL TRAINING LABORATORY (3) LAB. 3. Pr. P/C KINE 3030. Theoretical knowledge and skills in preparation of national certification in personal training. Topics include guidelines for instructing safe, effective, and purposeful exercise, essentials of the client-trainer relationship, conducting health and fitness assessments, and designing and implementing appropriate exercise programming.

KINE 3040 HISTORY OF AMERICAN PHYSICAL CULTURE (3) LEC. 3. Appreciation of the historical and cultural aspects of health, exercise, fitness and sports activities in modern American society.

KINE 3050 CARE AND PREVENTION OF INJURIES (3) LEC. 3. Students will understand how to implement proper procedures in sports medicine care, create/lead emergency action plans, prevent injury/illness occurrence, care for basic injuries/illnesses, and analyze environmental conditions for safety, and provide important information to sports medicine health professionals. May count either KINE 3050 or KINE 3053.

KINE 3100 ADAPTIVE SPORTS (3) LEC. 3. An introduction to various competitive and recreational activities for persons with disabilities. May count either KINE 3100 or KINE 3103.

KINE 3110 PARALYMPIC SPORT (3) LEC. 3. An introduction to the Paralympic Games including the Games development, rules, and current issues related to media, marketing, and social rights.

KINE 3200 SKILLS AND CONCEPTS OF RHYTHMIC ACTIVITIES (3) LEC. 2. LAB. 2. Skillful performance in gymnastics and other rhythmic activities and an understanding of the basic movement concepts in those activities.

KINE 3210 SKILLS AND CONCEPTS OF SPORT (3) LEC. 2. LAB. 2. Skillful performance in games and sports and an understanding of the tactics in those activities. Admission to Teacher Education.

KINE 3230 TEACHING MOTOR SKILLS (3) LEC. 2. LAB. 2. Introduction to motor skills that students learn during their elementary school years in physical education.

KINE 3260 PHYSICAL EDUCATION FOR INDIVIDUALS WITH DISABILITIES (3) LEC. 2. LAB. 2. Pr. (KINE 2250 and KINE 2251 or KINE 2253) or (HLHP 2250 or HLHP 2251 or HLHP 2253). Program needs of individuals with disabilities in physical education and physical activity settings.

KINE 3300 INSTRUCTIONAL STRATEGIES IN PHYSICAL EDUCATION (3) LEC. 2. LAB. 2. Instructional and class management strategies appropriate to teach quality elementary and secondary physical education Admission to Teacher Education.

KINE 3400 HEALTH PROMOTION IN THE WORKPLACE (3) LEC. 3. Planning, implementation, evaluation and marketing of health promotion programs.

KINE 3410 REGISTERED YOGA TEACHER LEVEL I (3) LEC. 2. LAB. 2. Basic principles of teaching yoga. Concepts include the poses, breathing, relaxation, meditation and other yoga techniques. Completion of KINE 3410 & KINE 3420 completes a Yoga Teacher Certification.

KINE 3420 REGISTERED YOGA TEACHER LEVEL II (3) LEC. 2. LAB. 2. Pr. KINE 3413 or KINE 3410 or HLHP 3410 or HLHP 3413. Advanced principles of teaching yoga. Focus on poses, breathing, relaxation, meditation and other yoga techniques. Completion of KINE 3410 and KINE 3420 completes a Yoga Teacher Certification.

KINE 3620 BIOMECHANICAL ANALYSIS OF HUMAN MOVEMENT (3) LEC. 3. Coreq. KINE 3621. Understanding of anatomical, neuromuscular, and biomechanical principles of human movement. Application of these concepts, as well as methods of motion analysis, will enable the student to evaluate human movement in greater detail. Departmental approval is needed for non-majors to enroll.

KINE 3621 BIOMECHANICAL ANALYSIS OF HUMAN MOVEMENT LABORATORY (1) LAB. 1. Pr. P/C KINE 3620 or P/C KINE 3623. Laboratory experience focuses on application of knowledge of anatomical, neuromuscular, and biomechanical principles of human movement. Content emphasizes understanding the science of exercise, how to apply and interpret common mechanical measures, and writing about findings using basic scientific writing techniques.

KINE 3650 MOTOR LEARNING AND PERFORMANCE (3) LEC. 3. Understanding of the basic psychological and physiological involved in the learning and control of skillful human movement.

KINE 3651 MOTOR LEARNING AND PERFORMANCE LABORATORY (1) LAB. 2. Pr. P/C KINE 3650 or P/C KINE 3653. Lab experience will allow students to gain first-hand experience with modern experimental methods, data collection, and basic analysis tools in motor learning research and develop an understanding of the experience of human research participants in kinesiology research.

KINE 3680 PHYSIOLOGY OF EXERCISE (3) LEC. 3. Energetics of exercise and physiological responses and adaptations of various organ systems (muscular, circulatory, respiratory, etc.) to acute and chronic exercise in different environments.

KINE 3681 PHYSIOLOGY OF EXERCISE LAB (1) LAB. 2. Coreq. KINE 3680. Applying knowledge of basic energy, musculoskeletal, nervous, and cardiovascular systems using various testing procedures. Focus on understanding the science of exercise, interpreting common physiological fitness tests, and how to write about findings using basic scientific writing techniques.

KINE 3820 PRINCIPLES OF SPORT COACHING (3) LEC. 3. Basic principles of sport pedagogy and the conduct of sport training programs. Departmental approval. May count either KINE 3820 or KINE 3823.

KINE 3830 THEORY AND PRACTICE OF SPORTS OFFICIATING (3) LEC. 3. Instruction and practice of officiating a variety of sport activities.

KINE 3840 COACHING THE MENTAL SIDE OF SPORTS (3) LEC. 3. Understand athletes' psychology and how to provide them with mental skills to enhance their performance in athletics, academics, and life.

KINE 3870 LEGAL AND ILLEGAL SPORTS SUPPLEMENTS (3) LEC. 3. Introductory approach to the safety, efficacy, and legality of popular legal and illegal sports supplements.

KINE 4130 THE NEUROBIOLOGY OF PLAY (3) LEC. 3. This course is an introduction to psychological and neuroscientific research on play and games. We will focus on play behavior in human beings, but will incorporate comparative evidence from play in other animals. Using an interdisciplinary approach, we will draw.

KINE 4200 PHYSICAL EDUCATION IN ELEMENTARY SCHOOLS (4) LEC. 2. LAB. 4. Pr. HLHP 3300. Understanding of the skill theme approach based on skill themes, movement concepts and levels of skill proficiency. Credit will not be given for both KINE 4200 and KINE 4360. Admission to Teacher Education.

KINE 4300 PHYSICAL EDUCATION IN SECONDARY SCHOOLS (4) LEC. 2. LAB. 4. Pr. (KINE 3300 or HLHP 3300). Constructing and implementing appropriate lifetime sports and fitness programs for middle and secondary school students. Admission to Teacher Education.

KINE 4360 HEALTH EDUCATION AND PHYSICAL EDUCATION IN ELEMENTARY SCHOOLS (3) LEC. 2. LAB. 2. Admission to Teacher Education. Critical topics in health education and physical education for prospective elementary education teachers. Credit will not be given for both KINE 4360 and KINE 4200. Admission to Teacher Education.

KINE 4400 APPLIED ANATOMY FOR THE ALLIED HEALTH PROFESSIONAL (3) LEC. 3. Study of skeletal anatomy with an applied approach. May count either KINE 4400 or KINE 4403.

KINE 4450 PHYSICAL ACTIVITY AND PUBLIC HEALTH (3) LEC. 3. Departmental approval. Basic principles of epidemiology; health benefits of physical activity; strategies to promote physical activity at the individual and community levels.

KINE 4500 INDIVIDUAL AND GROUP FITNESS INSTRUCTION (3) LEC. 3. Principles of exercise prescription and field assessment techniques to develop, implement and evaluate individual and group exercise programs.

KINE 4560 SPORT TECHNIQUE AND MOVEMENT ANALYSIS (3) LEC. 3. Skills and knowledge for observing, evaluating, and correcting movement patterns. May count either KINE 4560 or KINE 4563.

KINE 4600 STRENGTH AND CONDITIONING DEVELOPMENT (3) LEC. 3. Basic concepts and principles of strength, endurance and speed development.

KINE 4620 EXERCISE AND SPORT PSYCHOLOGY (3) LEC. 3. Role of psychological factors in sport, exercise and physical activity.

KINE 4630 STRENGTH AND CONDITIONING PREPARATION (3) LEC. 3. Pr. (KINE 4600 or KINE 4603) and (KINE 3680 or KINE 3683). Preparation as a Certified Strength and Conditioning Specialist.

KINE 4640 PHYSICAL CONDITIONING AND SPEED (3) LEC. 3. Basic concepts and principles of physical conditioning and speed.

KINE 4690 CORRECTIVE EXERCISE SPECIALIST PREPARATION (3) LEC. 3. Pr. KINE 3620 and P/C KINE 3621. Preparation for the National Academy of Sports Medicine corrective exercise specialist examination. May count either KINE 4690 or KINE 4693.

KINE 4760 INTRODUCTION TO EXERCISE SCIENCE RESEARCH (3) LEC. 3. Research literature, experimental design and research interpretation in exercise science.

KINE 4780 EXERCISE SCIENCE RESEARCH (3) LEC. 3. Pr. (KINE 4760 or KINE 4763) and (KINE 3620 or KINE 3623) and (KINE 3650 or KINE 3653) and (KINE 3680 or KINE 3683). Development of a research proposal including the introduction, review of literature, methods, experimental design and statistics.

KINE 4860 EXERCISE PROGRAMMING FOR SPECIAL POPULATIONS (3) LEC. 3. Principles of exercise prescription, programming and field assessment techniques to develop, implement and evaluate exercise programs for special populations. May count either KINE 4860 or KINE 4863.

KINE 4880 TRAINING AND CONDITIONING PROGRAMMING (3) LEC. 3. Pr. (KINE 4600 or HLHP 4600 or HLHP 4640) and KINE 4640. Skills and knowledge related to sport specific annual training regimens.

KINE 4900 DIRECTED STUDIES (1-6) IND. SU. Departmental approval. In-depth study of specific topics. Course may be repeated for a maximum of 6 credit hours.

KINE 4910 PRACTICUM (1-6) AAB/PRA. SU. Departmental approval. Application of basic concepts to specific work environment. Course may be repeated for a maximum of 6 credit hours.

KINE 4920 CLINICAL RESIDENCY (12) LEC. 12. SU. Pr. KINE 4200 and KINE 4300. Culminating supervised work experience in school settings for K-12 Physical Education. Students must be cleared and approved for Clinical Residency by College of Education criteria.

KINE 4930 PHYSICAL ACTIVITY AND HEALTH INTERNSHIP (1-12) LEC. 1-12. SU. Pr. KINE 5400 or KINE 5403. Opportunity to explore a particular job or career path within the field, allowing students to apply theory and methodology learned in their undergraduate studies in a work environment under qualified supervision. May count either KINE 4930 or KINE 4933. Course may be repeated for a maximum of 12 credit hours.

KINE 4940 FITNESS, CONDITIONING AND PERFORMANCE INTERNSHIP (1-12) DSL/INT. SU. Pr. (KINE 4690 or KINE 4693) and (KINE 4880 or KINE 4883). Opportunity to explore a particular job or career path within the field, allowing students to apply theory and methodology learned in their undergraduate studies in a work environment under qualified supervision. Site must be approved by internship coordinator. May count either KINE 4940 or KINE 4943. Course may be repeated for a maximum of 12 credit hours.

KINE 4970 SPECIAL TOPICS (1-3) AAB. Advanced presentation of critical issues in physical education, health promotion or exercise science. Course may be repeated with change in topic. Course may be repeated for a maximum of 12 credit hours.

KINE 4980 UNDERGRADUATE RESEARCH (1-3) IND. Departmental Approval. Directed research within the area of specialty within the School. Course may be repeated for a maximum of 6 credit hours.

KINE 4997 HONORS THESIS (1-3) LEC. Pr. Honors College. Departmental approval.. Course may be repeated for a maximum of 3 credit hours.

KINE 5400 EXERCISE ASSESSMENT, PRESCRIPTION, & PROGRAMMING (3) LEC. 3. Pr. (KINE 3620 or KINE 3623) and (KINE 3680 or KINE 3683). This course is designed to develop the knowledge, skills, and abilities necessary to work with clients, performing exercise testing for health and fitness and developing exercise programs following American College of Sports Medicine (ACSM) and National Strength and Conditioning Association (NSCA) guidelines. The course will focus on the principles and guidelines for exercise testing and programming.

KINE 5500 CLINICAL EXERCISE TESTING (2) LEC. 2. Pr. KINE 3680 and KINE 3681. Coreq. KINE 5501. Concepts in physiological testing, test selection, and interpretation of assessments in normal and special populations for the purpose of exercise prescription and chronic disease risk reduction. CPR certification must be obtained prior to the end of the course. May count either KINE 5503 or KINE 6500.

KINE 5501 CLINICAL EXERCISE TESTING LABORATORY (2) LAB. 2. Pr. KINE 3680 and KINE 3681 and (P/C KINE 5500 or P/C KINE 5503). Application of concepts in physiological testing, test selection and interpretation of assessments in normal and special populations for the purpose of exercise prescription and chronic disease risk reduction.

KINE 5820 SPORT MANAGEMENT (3) LEC. 3. This course is designed to give students critical skills in understanding and analyzing a number of social issues as they relate to sport. May count either KINE 5820 or KINE 6820.

KINE 5920 INTERNSHIP (1-12) INT. SU. Pr. (KINE 4630 or KINE 4633) and (KINE 5400 or KINE 5403). Supervised work experiences in schools, fitness or rehabilitation settings. Two hours of work experience per week for each hour course credit. Course may be repeated for a maximum of 12 credit hours.

KINE 6200 RESEARCH PROJECT IN PHYSICAL EDUCATION (3) LEC. 3. Focus on action research in teaching and learning in physical education in schools. May count either KINE 5200 or KINE 6200.

KINE 6250 INSTRUCTIONAL SUPERVISION FOR PHYSICAL EDUCATION (2) LEC. 2. Development of systematic observation systems for providing feedback to teachers and strategies for monitoring progress. May count either KINE 5250 or KINE 6250.

KINE 6300 ADVOCACY IN PHYSICAL EDUCATION (2) LEC. 2. Strategies for development of advocacy programs in physical education. May count either KINE 5300 or KINE 6300.

KINE 6350 ASSESSMENT IN PHYSICAL EDUCATION (3) LEC. 3. Pr. P/C KINE 7920 or P/C HLHP 7920 or P/C HLHP 7926.

KINE 6400 EXERCISE ASSESSMENT, PRESCRIPTION, & PROGRAMMING (3) LEC. 3. This course is designed to develop the knowledge, skills, and abilities necessary to work with clients, performing exercise testing for health and fitness and developing exercise programs following American College of Sports Medicine (ACSM) and National Strength and Conditioning Association (NSCA) guidelines. The course will focus on the principles and guidelines for exercise testing and programming.

KINE 6500 CLINICAL EXERCISE TESTING (2) LEC. 2. Pr. KINE 3680. Concepts in physiological testing, test selection, and interpretation of assessments in normal and special populations for the purpose of exercise prescription and chronic disease risk reduction. CPR certification must be obtained prior to the end of the course. May count either KINE 5500 or KINE 6500.

KINE 6501 CLINICAL EXERCISE TESTING LABORATORY (2) LAB. 2. Pr. KINE 3680. Coreq. KINE 6500. Learn and practice the skills to perform clinical exercise testing for health and fitness in accordance with American College of Sports Medicine (ACSM).

KINE 6600 PHYSIOLOGICAL BASIS OF TRAINING AND CONDITIONING (3) LEC. 2. LAB. 2. Physiological adaptations to training and conditioning for sport performance. May count either KINE 5600 or KINE 6600.

KINE 6820 SPORT MANAGEMENT (3) LEC. 3. This course is designed to give students critical skills in understanding and analyzing a number of social issues as they relate to sport. May count either KINE 5820 or KINE 6820.

KINE 6920 INTERNSHIP (1-12) INT. SU. Pr. (KINE 7630 and KINE 6400) or KINE 6406. Departmental approval. Supervised work experiences in schools, fitness or rehabilitation settings. Course may be repeated for a maximum of 12 credit hours.

KINE 7010 RESEARCH METHODS IN PHYSICAL ACTIVITY (3) LEC. 3. Study of research methods and analysis of current research in physical education, health promotion, and exercise science.

KINE 7180 APPLIED SOCIOLOGICAL ASPECTS OF SPORT AND EXERCISE (3) LEC. 3. Critical examination and application of sociological aspects of sport and exercise in a variety of settings. May count either KINE 7180 or KINE 7186.

KINE 7200 CURRICULUM AND TEACHING IN PHYSICAL EDUCATION (3) LEC. 3. Issues in developing and critiquing curricula in physical education.

KINE 7250 EVALUATION OF PROGRAMS IN PHYSICAL EDUCATION (3) LEC. 3. Development of tools for assessment of student learning and evaluation of physical education programs.

KINE 7260 INDIVIDUALS WITH DISABILITIES IN PHYSICAL EDUCATION (3) LEC. 3. Developing inclusive physical activity programs for children and adolescents with disabilities in physical education.

KINE 7280 NATURALISTIC INQUIRY IN PHYSICAL ACTIVITY SETTINGS (3) LEC. 3. Exploration of naturalistic inquiry in physical activity and educational settings.

KINE 7300 CONTENT AND PEDAGOGY IN PHYSICAL EDUCATION (3) LEC. 3. Instructional strategies and content for elementary and secondary physical education.

KINE 7350 ORGANIZATION AND ANALYSIS OF INSTRUCTION IN PHYSICAL EDUCATION (3) LEC. 3. Focus on the teaching-learning process in physical education.

KINE 7380 INTEGRATING CLASSROOM CONCEPTS (3) LEC. 3. Relationship of developmental foundations of young children and programming of physical activities.

KINE 7400 ADVANCED ANATOMICAL PRINCIPLES (3) LEC. 3. Clinically oriented human anatomy experience, designed to provide the student with an applied methodology to interact and utilize anatomical knowledge. May count either KINE 7400 or KINE 7406.

KINE 7420 BIOMECHANICS OF SKILL ANALYSIS: DARTFISH I (3) LEC. 3. Introductory approach to skill analysis as well as the use of the software program Dartfish. May count either KINE 7420 or KINE 7426.

KINE 7430 BIOMECHANICS OF SKILL ANALYSIS: DARTFISH II (3) LEC. 3. Pr. KINE 7420 or HLHP 7420 or HLHP 7426 or KINE 7426. Advanced approach to skill analysis as well as the use of the software program Dartfish. May count either KINE 7430 or KINE 7436.

KINE 7550 EFFICIENT MOVEMENT STRATEGIES (3) DSL. 3. A review of the material and tools necessary to become a National Academy of Sports Medicine Corrective Exercise Specialist.

KINE 7570 EXERCISE ELECTROCARDIOGRAPHY (3) LEC. 3. Electrocardiography from an exercise scientist's perspective; recognition of normal and abnormal electrocardiographic patterns at rest and during exercise.

KINE 7620 PRINCIPLES OF BIOMECHANICS IN HUMAN MOVEMENT (3) LEC. 3. Biomechanical principles and laws with applications to human movement in sport, exercise and daily activities. Departmental approval. May count either KINE 7620 or KINE 7626.

KINE 7630 STRENGTH & CONDITIONING PREPARATION (3) LEC. Preparation as a Certified Strength and Conditioning Specialist.

KINE 7650 ADVANCED MOTOR LEARNING AND PERFORMANCE (3) LEC. 3. Departmental approval. Theories, experimental studies, and current issues in the acquisition, performance, and retention of motor skills.

KINE 7660 BIOMECHANICS OF SPORT INJURY AND REHABILITATION (3) LEC. 3. Pr. (HLHP 7620 or HLHP 7626 or KINE 7620 or HLHP 7626). Biomechanical properties of the human body as related to injuries and rehabilitation in sport and daily activities.

KINE 7670 LAB TECHNIQUES IN BIOMECHANICS (3) LEC. 1. LAB. 2. Pr. (HLHP 7620 or HLHP 7626 or KINE 7620 or KINE 7626). Study of equipment and standard practices utilized by a biomechanist in measuring and analyzing motion.

KINE 7680 ADVANCED PHYSIOLOGY OF EXERCISE I (3) LEC. 3. Departmental approval. Physiological responses to exercise and control of metabolism, the cardiovascular system, and the respiratory system during acute exercise and training.

KINE 7700 ADVANCED PHYSIOLOGY OF EXERCISE II (3) LEC. 3. Temperature regulation and endocrine response to exercise; physiological responses and adaptations to aerobic training, strength training, and environmental extremes; limiting factors and fatigue in exercise.

KINE 7710 LAB TECHNIQUES IN EXERCISE PHYSIOLOGY (3) LEC. 1. LAB. 4. Pr. (HLHP 7680 or HLHP 7686 or KINE 7680). Techniques for measuring and evaluating physical performance.

KINE 7730 NEUROMOTOR CONTROL (3) LEC. 3. Departmental approval. Structure and function of the central and peripheral systems underlying human motor control.

KINE 7740 ADVANCED MOTOR DEVELOPMENT (3) LEC. 3. Departmental approval. Examination of theoretical and empirical issues in motor development across the life span.

KINE 7750 ADVANCED SPORT PSYCHOLOGY (3) LEC. 3. Departmental approval. Examination of psychological factors that influence athletic performance. Or equivalent,

KINE 7780 EXERCISE MOTIVATION AND ADHERENCE (3) LEC. 3. Theoretical foundations and recent research in exercise motivation and adherence. Or equivalent.

KINE 7790 MOTOR BEHAVIOR OF INDIVIDUALS WITH DISABILITIES (3) LEC. 3. Pr. (HLHP 7650 or HLHP 7656 or KINE 7650). Examination of motor behavior characteristics of individuals with disabilities.

KINE 7820 CLINICAL/NON-CLINICAL INTERNSHIP IN KINESIOLOGY (1-10) DSL/INT. SU. Supervised work experience in physical activity, health, fitness, conditioning, performance and rehabilitation settings. This course is for non-teacher education students. May count either KINE 7820 or KINE 7826. Course may be repeated for a maximum of 10 credit hours.

KINE 7900 DIRECTED STUDIES (1-3) IND. SU. Departmental approval. In-depth study of specific topics. Course may be repeated for a maximum of 9 credit hours.

KINE 7910 PRACTICUM (1-3) PRA. Departmental approval. Application of concepts to specific work environment. Course may be repeated for a maximum of 6 credit hours.

KINE 7920 INTERNSHIP (1-10) INT. SU. Departmental approval. Supervised work experiences in schools, fitness or rehabilitation settings. Course may be repeated for a maximum of 10 credit hours.

KINE 7930 NON-THESIS RESEARCH PROJECT (1-6) IND. SU. Pr. KINE 7010 or HLHP 7010 or HLHP 7016. Departmental approval. Continuation/completion of a scientific research project that culminates into a written and oral presentation. Course may be repeated for a maximum of 6 credit hours.

KINE 7950 SEMINAR (1-3) SEM. SU. Course may be repeated for a maximum of 3 credit hours.

KINE 7960 SPECIAL PROBLEMS (1-3) IND. SU. Departmental approval. Critical analysis of current and classical research and writings. Course may be repeated for a maximum of 3 credit hours.

KINE 7970 SPECIAL TOPICS (1-3) LEC. Advanced presentation of critical issues in physical education, health promotion, or exercise science. Course may be repeated with change in topic.

KINE 7980 RESEARCH PROJECT IN KINESIOLOGY (1-6) IND. SU. Pr. KINE 7010 or HLHP 7010 or HLHP 7016. Departmental approval. Completion of a scientific research project in Kinesiology that culminates into a written and oral presentation. Course may be repeated for a maximum of 6 credit hours.

KINE 7990 RESEARCH AND THESIS (1-10) IND. Course may be repeated with change in topics.

KINE 8270 EXERCISE GENETICS (3) LEC. 3. This course will describe advanced concepts related to exercise genetics. Examples include how skeletal muscle responds to exercise at the epigenetic, transcriptomic, and proteomic level. Additionally, cutting-edge research topics (e.g., miRNA and retrotransposons) will be discussed in the context of exercise science.

KINE 8300 RESEARCH IN KINESIOLOGY (3) LEC. 3. Examination and evaluation of current research trends within the field of kinesiology.

KINE 8310 SUPERVISION/ADMINISTRATION OF LABS IN KINESIOLOGY (3) LEC. 3. Skills and techniques of the daily management of kinesiology labs. Topics include budgeting, outreach, entrepreneurship, grants, and personnel management.

KINE 8320 RESEARCH MENTORSHIP (3) LEC. 3. Skills and experience in the mentorship of novice researchers in the field of Kinesiology.

KINE 8710 SCIENTIFIC COMMUNICATION IN EXERCISE SCIENCE (3) LEC. 3. In-depth analysis of the major formats for scientific communication and the peer-review process in exercise science. Or equivalent.

KINE 8730 NUTRIENT TIMING FOR PERFORMANCE OPTIMIZATION (3) LEC. 3. This course will discuss how Nutrient Timing is important for optimizing endurance- or resistance training adaptations in athletes.

KINE 8750 THREE-DIMENSIONAL ANALYSIS OF HUMAN MOVEMENT (3) LEC. 3. Pr. (HLHP 7620 or HLHP 7620) or KINE 7620 or KINE 7620. Three-dimensional nature of body segments in human movement, with emphasis on data processing and modeling techniques.

KINE 8770 NEUROMUSCULAR ASPECTS OF EXERCISE AND TRAINING (3) LEC. 3. Pr. KINE 7680 or HLHP 7680 or HLHP 7686 or departmental approval. Examination of neuromuscular mechanisms that allow humans to perform work, including energy output, neural integration, energy metabolism and adaptations to training.

KINE 8780 BIOCHEMISTRY OF EXERCISE (3) LEC. 3. Pr. (HLHP 7680 or KINE 7680) or HLHP 7686 or departmental approval. Regulation of the metabolic pathways of energy metabolism with emphasis on the energetic response to acute exercise and exercise training.

KINE 8900 DIRECTED STUDIES (1-3) IND. SU. Departmental approval. In-depth study of specific topics. Course may be repeated for a maximum of 9 credit hours.

KINE 8910 PRACTICUM (1-3) PRA. SU. Departmental approval. Application of basic concepts to specific work environments. Course may be repeated for a maximum of 9 credit hours.

KINE 8920 INTERNSHIP (1-10) INT. SU. Departmental approval. Supervised work experiences in schools, fitness and rehabilitation settings. Course may be repeated for a maximum of 10 credit hours.

KINE 8930 DIRECTED FIELD EXPERIENCES (1-10) FLD. SU. Departmental approval. Field studies away from campus. Course may be repeated for a maximum of 10 credit hours.

KINE 8950 SEMINAR (1-3) SEM. SU. Course may be repeated for a maximum of 3 credit hours.

KINE 8960 SPECIAL PROBLEMS (1-3) IND. SU. Course may be repeated for a maximum of 3 credit hours.

KINE 8970 SPECIAL TOPICS (1-3) LEC. Advanced presentation of critical issues in physical education, health promotion, or exercise science. Course be repeated with change in topic. Course may be repeated with change in topics.

KINE 8980 FIELD PROJECT (1-6) FLD.

KINE 8990 RESEARCH AND DISSERTATION (1-10) DSR. Departmental approval. Field project away from campus. Course may be repeated for a maximum of 9 credit hours. Course may be repeated with change in topics.

Music Education Courses

CTMU 1010 INTRODUCTION TO MUSIC EDUCATION (0) LAB. 1. Introduction to teaching music.

CTMU 1020 MUSIC EDUCATION LAB I (1) LAB. 3. Development and documentation of general music instructional abilities and dispositions for school and community music educators. Clear background check required.

CTMU 2010 MUSIC EDUCATION LAB II (1) LAB. 3. Development and documentation of vocal or instrumental music instructional abilities and dispositions for school and community music educators. Clear background check required.

CTMU 3040 MUSIC AND RELATED ARTS (4) LEC. 2. LAB. 4. Interdisciplinary instruction appropriate for students' developmental characteristics which synthesize the content, professional resources, curriculum goals and instructional strategies of music.

CTMU 4900 DIRECTED STUDIES (1-6) IND. SU. Departmental approval. Independent reading, research or other work focused on a content area of special interest. The student is directed by a faculty member. Course may be repeated for a maximum of 6 credit hours.

CTMU 4910 PRACTICUM IN AREA OF SPECIALIZATION (1-6) DSL/PRA. Admission to Teacher Education. Cooperatively selected field experience. May count either CTMU 4910 or CTMU 4913. Course may be repeated for a maximum of 6 credit hours.

CTMU 4920 CLINICAL RESIDENCY (12) AAB/DSL. 40. SU. Admission to Clinical Residency. Supervised on-the-job experience in a school or other appropriate setting abroad with regularly scheduled discussions with supervising faculty provide evaluation and analysis of the intern. May count either CTMU 4920 or CTMU 4923.

CTMU 4967 HONORS SPECIAL PROBLEMS (1-3) IND. Pr. Honors College. Departmental approval. Individual readings program. Course may be repeated for a maximum of 3 credit hours.

CTMU 4970 SPECIAL TOPICS IN AREA OF SPECIALIZATION (1-6) LEC. Departmental approval. Cooperatively selected concepts and theories pursued, normally in small groups. Course may be repeated for a maximum of 6 credit hours.

CTMU 4997 HONORS THESIS (1-3) IND. Pr. Honors College. The student's thesis is finalized in this course. Course may be repeated for a maximum of 3 credit hours.

CTMU 5110 CHILDREN'S MUSIC LEARNING (4) LEC. 3. LAB. 3. Musical development and learning, birth-childhood. Curriculum, methods, and assessment for community and school children's music. Clear background check required. May count either CTMU 5110 or CTMU 6110.

CTMU 5120 SCHOOL AND COMMUNITY GENERAL MUSIC EDUCATION (4) LEC. 3. LAB. 3. Musical development and learning, adolescence-adulthood. Curriculum, methods, and assessment for community and school general music. Clear background check required. May count either CTMU 5120 or CTMU 6120.

CTMU 5130 SCHOOL AND COMMUNITY INSTRUMENTAL MUSIC EDUCATION (4) LEC. 3. LAB. 3. Musical development and learning, instrumentalists. Curriculum, methods, and assessment for community and school instrumental music. Clear background check required. May count either CTMU 5130 or CTMU 6130.

CTMU 5140 SCHOOL AND COMMUNITY VOCAL MUSIC EDUCATION (4) LEC. 3. LAB. 3. Admission to Teacher Education. Musical development and learning of vocalists. Curriculum, methods, and assessment for community and school vocal music. Clear background check required. May count either CTMU 5140 or CTMU 6140.

CTMU 6110 CHILDREN'S MUSIC LEARNING (4) LEC. 3. LAB. 3. Musical development and learning, birth-childhood. Curriculum, methods, and assessment for community and school children's music. Clear background check required. May count either CTMU 5110, CTMU 6110 or CTMU 6116.

CTMU 6120 SCHOOL AND COMMUNITY GENERAL MUSIC EDUCATION (4) LEC. 3. LAB. 3. Musical development and learning, adolescence-adulthood. Curriculum, methods, and assessment for community and school general music. Clear background check required. May count either CTMU 5120 or CTMU 6120/CTMU 6126.

CTMU 6130 SCHOOL AND COMMUNITY INSTRUMENTAL MUSIC EDUCATION (4) LEC. 3. LAB. 3. Musical development and learning, instrumentalists. Curriculum, methods, and assessment for community and school instrumental music. Clear background check required. May count either CTMU 5130, CTMU 6130 or CTMU 6136.

CTMU 6140 SCHOOL AND COMMUNITY VOCAL MUSIC EDUCATION (4) LEC. 3. LAB. 3. Musical development and learning of vocalists. Curriculum, methods, and assessment for community and school vocal music. Clear background check required. May count either CTMU 5140, CTMU 6140 or CTMU 6146.

CTMU 6940 ELEMENTARY/MIDDLE SCHOOL MUSIC METHODS (3) LEC. 3. Methodology, materials, organization and activities for elementary and middle school music programs. Includes professional field experiences in public school music programs. Admission to Alternative Master's Certification Program.

CTMU 6960 SECONDARY MUSIC METHODS (3) LEC. 3. Methodology, materials, organization and activities for secondary music programs. Includes professional field experiences in public school music programs. Admission to Alternative Master's Certification Program

CTMU 7000 SCHOOL AND COMMUNITY MUSIC (1) LEC. 1. Developing skills, disposition, community, and research planning for graduate students in school and community music. May count either CTMU 7000 or CTMU 7006. Course may be repeated for a maximum of 2 credit hours.

CTMU 7510 RESEARCH STUDIES IN MUSIC EDUCATION (3) RES. 3. Review, analysis and interpretation of available research with emphasis on designing new research to meet the changing needs of school musicians. May count either CTMU 7510 or CTMU 7516.

CTMU 7520 CURRICULUM AND TEACHING IN MUSIC EDUCATION (3) LEC. 3. Teaching practices and evaluation of experiences and content for curriculum improvements. Students develop recommendations for music curriculum. May count either CTMU 7520 or CTMU 7526.

CTMU 7530 ORGANIZATION OF PROGRAM IN MUSIC EDUCATION (3) LEC. 3. Program, organization and development of basic and supplementary materials for guiding teachers, facilities and school systems in continuous improvement of curriculum and teaching practices in music education. May count either CTMU 7530 or CTMU 7536.

CTMU 7540 EVALUATION OF PROGRAM IN MUSIC EDUCATION (3) LEC. 3. Evaluation and investigation of teaching effectiveness including the utilization of human and material resources and the coordination of areas of specialization and issues in evaluation which are unique to music education settings. May count either CTMU 7540 or CTMU 7546.

CTMU 7550 APPLICATIONS OF TECHNOLOGY IN MUSIC EDUCATION (3) LEC. 3. An overview of applications of current technology in music classroom, studios, and offices. May count either CTMU 7550 or CTMU 7556.

CTMU 7560 DIGITAL MEDIA PRODUCTION FOR MUSIC EDUCATION (3) LEC. 3. Current tools, skills, and concepts for creating aural and visual interactive applications. May count either CTMU 7560 or CTMU 7566.

CTMU 7570 MUSIC INSTRUCTION MULTIMEDIA RESEARCH AND DEVELOPMENT (3) LEC. 3. Pr. CTMU 7550 or CTMU 7556. Departmental approval. Current research music instructional technology, design of interactive applications.

CTMU 7580 PSYCHOLOGY OF MUSIC (3) LEC. 3. This course will focus on exploring the musical experience psychological, psycho-acoustic, emotional, anthropological, sociological, and assistance perspectives to better understand how philosophical and practical approaches work in music teaching, learning, and in community settings. May count either CTMU 7580 or CTMU 7586.

CTMU 7590 WEB DESIGN AND MEDIA FOR MUSIC EDUCATORS (3) LEC. 3. Exploration and creation of media for music-focused curriculum and curriculum support focused on competent implementation and delivery via web sites and web-based platforms.

CTMU 7900 DIRECTED STUDIES (1-6) IND. SU. Departmental approval. Independent study directed toward desired objectives related to student's respective areas of specialization. Includes evaluation at regular intervals by professor and student. Course may be repeated for a maximum of 6 credit hours.

CTMU 7910 PRACTICUM IN AREA OF SPECIALIZATION (1-6) DMU/PRA. SU. Departmental approval. Experience relating theory and practice, usually in a school setting. Course may be repeated for a maximum of 6 credit hours.

CTMU 7970 SPECIAL TOPICS (1-9) DMU. Departmental approval. Provides an opportunity for graduate students and professors to pursue cooperatively selected topics. Course may be repeated for a maximum of 9 credit hours.

CTMU 7990 RESEARCH AND THESIS (1-10) MST. Course may be repeated with change in topics.

CTMU 8950 SEMINAR (1-3) DMU. Selected concepts and theoretical formulations of common interest. Course may be repeated for a maximum of 12 credit hours.

CTMU 8980 FIELD PROJECT (1-6) DMU. SU. Course may be repeated for a maximum of 6 credit hours.

CTMU 8990 RESEARCH AND DISSERTATION (1-10) DSL/DSR. Course may be repeated with change in topics.

Physical Education Courses

PHED 1000 ACTIVE AUBURN (2) LEC. 2. Basic concepts associated with physical activity and the opportunities on campus to engage in health-promoting and wellness activities. Course may be repeated for a maximum of 4 credit hours.

PHED 1200 CARDIO RESPIRATORY: FITNESS (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with the development and maintenance of cardio-respiratory functioning. Activities may include, but are not limited to running (jogging) swimming, cycling and aerobic dance. Course may be repeated with a change in topic. Course may be repeated with change in topics.

PHED 1210 CARDIO RESPIRATORY: AEROBIC DANCE (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with the development and maintenance of cardio-respiratory functioning in aerobic dance.

PHED 1220 CARDIO RESPIRATORY: CIRCUIT TRAINING (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with the development and maintenance of cardio-respiratory functioning in circuit training.

PHED 1230 CARDIO RESPIRATORY: JOGGING (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with the development and maintenance of cardio-respiratory functioning in jogging.

PHED 1240 CARDIO RESPIRATORY: SWIM FOR FITNESS (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with the development and maintenance of cardio-respiratory functioning in swim for fitness.

PHED 1250 CARDIO RESPIRATORY: WATER AEROBICS (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with the development and maintenance of cardio-respiratory functioning in water aerobics.

PHED 1260 MILITARY FITNESS FOR EVERYONE (2) LEC. 2. Basics of military-type physical activity training, goal-setting, and fitness principles.

PHED 1300 FITNESS AND CONDITIONING (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with the development and maintenance of general physical fitness. Activities may include, but are not limited to calisthenics and weight training. Course may be repeated with a change in topic. Course may be repeated with change in topics.

PHED 1310 FITNESS: BODYBUILDING (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with the development and maintenance of general physical fitness in bodybuilding.

PHED 1320 FITNESS: LIFETIME ACTIVITY (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with the development and maintenance of general physical fitness in lifetime activity.

PHED 1330 FITNESS: WEIGHT CONTROL (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with the development and maintenance of general physical fitness in weight control.

PHED 1340 FITNESS: WEIGHT TRAINING (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with the development and maintenance of general physical fitness in weight training.

PHED 1350 FITNESS WEIGHT TRAINING WOMEN (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with the development and maintenance of general physical fitness for weight training for women.

PHED 1360 FITNESS: WEIGHT TRAINING II (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with the development and maintenance of general physical fitness in weight training II.

PHED 1380 KETTLEBELL TRAINING (2) LEC. 1. LAB. 1. Introductory approach to kettlebell techniques and kettlebell program development.

PHED 1390 WEIGHT MANAGEMENT (2) LAB. 2. Nutrition and exercise concepts associated with maintaining healthy weight.

PHED 1400 TEAM SPORTS (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific team sport. Team sports may include, but are not limited to, volleyball, basketball and softball. Course may be repeated with change in topic.

PHED 1410 TEAM SPORTS: BASKETBALL (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific team sport.

PHED 1420 TEAM SPORTS: FLAG FOOTBALL (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific team sport.

PHED 1430 TEAM SPORTS: SOCCER (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific team sport.

PHED 1440 TEAM SPORTS: SOFTBALL (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific team sport.

PHED 1450 TEAM SPORTS: VOLLEYBALL (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific team sport.

PHED 1500 INDIVIDUAL SPORTS (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific individual sport. Sports may include, but are not limited to tennis, golf and racquetball. Course may be repeated with a change in topic. Course may be repeated with change in topics.

PHED 1510 INDIVIDUAL SPORTS: BOWLING (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific individual sport.

PHED 1520 INDIVIDUAL SPORTS: GOLF (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific individual sport.

PHED 1530 INDIVIDUAL SPORTS: GOLF II (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific individual sport.

PHED 1550 INDIVIDUAL SPORTS: TENNIS (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific individual sport.

PHED 1600 PERFORMANCE ACTIVITIES (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific performance activity. Activities may include, but are not limited to, dance and gymnastics. Course may be repeated with a change in topic. Course may be repeated with change in topics.

PHED 1610 PERFORM ACTIVITY - PILATES (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific performance activity.

PHED 1620 PERFORMANCE ACTIVITY: KARATE (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific performance activity. Course may be repeated for a maximum of 6 credit hours.

PHED 1630 PERFORMANCE ACTIVITY: TAE KWON DO (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific performance activity.

PHED 1640 PERFORMANCE ACTIVITY: YOGA (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with a specific performance activity.

PHED 1700 AQUATICS: OTHER (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with specific aquatic skills. Activities may include, but are not limited to, swimming skills instruction, lifeguard training, and scuba diving. When appropriate, successful completion of the course will lead to Red Cross certification or certification by other agencies. Course may be repeated for a maximum of 4 credit hours.

PHED 1710 AQUATICS: WHITEWATER KAYAKING I (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with specific aquatic skills.

PHED 1720 AQUATICS: WHITEWATER KAYAKING II (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with specific aquatic skills.

PHED 1740 AQUATICS: LIFEGUARD TRAINING (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with specific aquatic skills.

PHED 1750 AQUATICS: BEGINNING SWIMMING (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with specific aquatic skills.

PHED 1760 AQUATICS: SCUBA (2) LEC. 1. LAB. 2. Basic concepts and physical activities associated with specific aquatic skills.

PHED 1800 VARSITY SPORTS: STRENGTH AND CONDITION (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topic.

PHED 1810 VARSITY MEN'S SPORTS: FOOTBALL (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1820 VARSITY MEN'S SPORTS: BASKETBALL (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1830 VARSITY MEN'S SPORTS: TRACK (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1840 VARSITY MEN'S SPORTS: CROSS COUNTRY (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1850 VARSITY MEN'S SPORTS: SWIMMING AND DIVING (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1860 VARSITY MEN'S SPORTS: GOLF (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1870 VARSITY MEN'S SPORTS: TENNIS (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1880 VARSITY MEN'S SPORTS: BASEBALL (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1900 VARSITY WOMEN'S SPORTS: SOCCER (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1910 VARSITY WOMEN'S SPORTS: GYMNASTICS (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1920 VARSITY WOMEN'S SPORTS: BASKETBALL (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1930 VARSITY WOMEN'S SPORTS: TRACK (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1940 VARSITY WOMEN'S SPORTS: CROSS COUNTRY (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1950 VARSITY WOMEN'S SPORTS: SWIMMING AND DIVING (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1960 VARSITY WOMEN'S SPORTS: GOLF (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1970 VARSITY WOMEN'S SPORTS: TENNIS (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1980 VARSITY WOMEN'S SPORTS: SOFTBALL (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 1990 VARSITY WOMEN'S SPORTS: VOLLEYBALL (1) LEC. 1. SU. Skills and training associated with participation in varsity sports. Course may be repeated with change in topics.

PHED 2100 WHEELCHAIR SPORTS FOR EVERYONE (2) LEC. 2. LAB. 1. A physical education class which introduces students to various wheelchair sports.

PHED 2200 SELF DEFENSE FOR WOMEN (1) LEC. 1. The Rape Aggression Defense (RAD) System is a comprehensive program of realistic self-defense tactics and techniques for women that promotes awareness, prevention, risk reduction and risk avoidance with a progression to hands-on training and simulation exercises.

Reading Education Courses

CTRD 3000 FOUNDATIONS OF LANGUAGE AND LITERACY INSTRUCTION I (3) LEC. 2. LAB. 1. Admission to Teacher Education. Research-based theory and teaching strategies to meet the language and literacy needs of all children, especially those at risk of reading difficulties. Includes laboratory teaching experience. May count either CTRD 3000 or CTRD 3710.

CTRD 3010 FOUNDATIONS OF LANGUAGE AND LITERACY INSTRUCTION II (4) LEC. 3. LAB. 3. Admission to Teacher Education. Theoretical foundations of language and literacy development of children and implications for teaching. Clinical, laboratory experiences with children. May count either CTRD 3010, CTRD 3003, or CTRD 3700.

CTRD 4900 DIRECTED STUDIES (1-6) IND. SU. Departmental approval. Independent reading, research, or other work focused on a content area of special interest. The student is directed by a faculty member. Course may be repeated for a maximum of 6 credit hours.

CTRD 5000 LANGUAGE AND LITERACY IN THE CONTENT AREAS (3) LEC. 3. LAB. 0. Strategies to help fluent readers and English language learners learn content in the disciplines by strategic reading of texts. May count either CTRD 5000, CTRD 5003, CTRD 6000, or CTRD 6006.

CTRD 5030 THE READING OF ADOLESCENTS (3) LEC. 3. Admission to Teacher Education. Reading patterns of adolescents and uses of young adult literature in reading and English language arts programs, grades 6-12.

CTRD 5700 DEVELOPMENTAL READING K-12 (3) LEC. 3. Admission to Teacher Education. Theoretical and research foundations for a balanced approach to reading assessment and instruction, K-12. May count CTRD 5700, CTRD 6700, or CTRD 6706.

CTRD 6000 LANGUAGE AND LITERACY IN THE CONTENT AREAS (3) LEC. 3. Strategies to help fluent readers and English language learners learn content in the disciplines by strategic reading of texts. May count either CTRD 5000, CTRD 5003, CTRD 6000, or CTRD 6006.

CTRD 6030 THE READING OF ADOLESCENTS (3) LEC. 3. Reading patterns of adolescents and uses of young adult literature in reading and English language arts programs, grades 6-12.

CTRD 6700 DEVELOPMENTAL READING K-12 (3) LEC. 3. Theoretical and research foundations for a balanced approach to reading assessment and instruction, K-12. May count CTRD 5700, CTRD 6700, or CTRD 6706.

CTRD 6710 LITERACY AND INQUIRY IN THE CONTENT AREAS: GRADES 6-12 (3) LEC. 3. Strategies to enhance literacy and inquiry for students' content-area learning in the middle and secondary school. May count CTRD 5710, CTRD 6710, or CTRD 6716.

CTRD 7400 ASSESSMENT AND INSTRUCTION FOR READING INTERVENTION (3) LEC. 3. Research-based analysis of causal factors in reading difficulties, assessment strategies, and effective teaching with delayed readers. Includes practicum.

CTRD 7510 RESEARCH STUDIES IN READING EDUCATION (3) DSL/RES. 3. Review, analysis, and interpretation of available research with emphasis on designing new research to meet the changing needs of the school.

CTRD 7520 CURRICULUM AND TEACHING IN READING EDUCATION (3) LEC. 3. Teaching practices and reappraisal of selected experiences and content for curriculum improvement.

CTRD 7530 ORGANIZATION OF PROGRAM IN READING EDUCATION (3) LEC. 3. Program, organization, and development of basic and supplementary materials for guiding teachers, faculties, and school systems in the continuous improvement of curriculum and teaching practices.

CTRD 7540 EVALUATION OF PROGRAM IN READING EDUCATION (3) LEC. 3. Evaluation and investigation of teaching effectiveness with attention to the utilization of human and material resources and the coordination of areas of specialization.

CTRD 7900 DIRECTED STUDIES (1-6) DSL/IND. SU. Departmental approval. Independent study directed toward desired objectives related to respective areas of specialization. Includes evaluation at regular intervals by professor and student. Course may be repeated for a maximum of 6 credit hours.

CTRD 7910 PRACTICUM IN AREA OF SPECIALIZATION (1-6) DSL/PRA. SU. Departmental approval. Experience relating theory and practice, usually in a school setting. Course may be repeated for a maximum of 6 credit hours.

CTRD 7920 CLINICAL RESIDENCY (1-9) DRD. SU. Supervised on-the-job experiences in a school, college or other appropriate setting, accompanied by regularly scheduled, on-campus discussion periods. Departmental approval. May count either CTRD 7920 or CTRD 7926. Course may be repeated for a maximum of 9 credit hours.

CTRD 7970 SPECIAL TOPICS (1-6) LEC. Departmental approval. Provides an opportunity for graduate students and professors to pursue cooperatively selected topics. Course may be repeated for a maximum of 6 credit hours.

CTRD 7990 RESEARCH AND THESIS (1-10) MST. Course may be repeated with change in topic.

CTRD 8950 SEMINAR (3) SEM. 3. Selected concepts and theoretical formulations of common interest. Course may be repeated for a maximum of 12 credit hours.

CTRD 8980 FIELD PROJECT (1-10) FLD. SU. Course may be repeated for a maximum of 10 credit hours.

CTRD 8990 RESEARCH AND DISSERTATION (1-10) DSL/DSR. Course may be repeated with change in topics.

Rehabilitation Special Ed Courses

RSED 2000 DISABILITY AWARENESS AND MENTORSHIP (3) LEC. 3. LAB. 3. Overview of disabilities and strategies to address disparities in society through awareness, advocacy, and international PEER certified educator/mentorship. EAGLES counselors and WINGS peer mentor requirement.

RSED 3000 DIVERSITY AND EXCEPTIONALITY OF LEARNERS (3) LEC. 3. Exploration of philosophical, social, cultural, and legal factors, and individual characteristics shaping education for individuals with disabilities; and roles/responsibilities of educators in inclusive settings. May count either RSED 3000 or RSED 3003.

RSED 3010 INTRODUCTION TO SPECIAL EDUCATION (3) LEC. 3. Orientation to special education profession including history, philosophy, federal legislation, contemporary issues and national organizations. Only CMDS Majors may take this course. Departmental approval for all other majors.

RSED 3020 INTRODUCTION TO REHABILITATION (3) LEC. 3. Orientation to the profession including history, philosophy, federal legislation, contemporary issues and national organizations.

RSED 3110 ASSESSMENT: ELIGIBILITY FOR SPECIAL EDUCATION (3) LEC. 3. Selection, administration, scoring and interpretation of standardized aptitude and educational tests used in the field of special education. May count either RSED 3110 or RSED 3113.

RSED 3120 ASSESSMENT IN REHABILITATION (3) LEC. 3. Selection, administration, scoring and interpretation of work sample systems and standardized tests of intelligence, aptitude, achievement, interest, and dexterity used in the field of rehabilitation.

RSED 4010 BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION (3) LEC. 3. Skills to manage the behavior of special education students including behavioral assessment, selection criteria for appropriate intervention strategies and evaluation of intervention effectiveness.

RSED 4100 PROFESSIONAL COMMUNICATION IN REHABILITATION (3) LEC. 3. Theoretical and practical aspects of written and oral communication with rehabilitation and other professionals, clients, and family members.

RSED 4120 INDEPENDENT LIVING SERVICES IN REHABILITATION (3) LEC. 3. The history, legislation and philosophy of the independent living movement and its impact on the quality of life for people with severe disabilities.

RSED 4130 ETHICAL PRACTICES IN REHABILITATION (3) LEC. 3. Departmental approval. Ethical dilemmas that are routinely faced by practitioners in human service occupations.

RSED 4140 ASSESSMENT: PROGRAM PLANNING IN SPECIAL EDUCATION (3) LEC. 3. Pr. P/C RSED 4920 or P/C RSED 4923. A framework for understanding the purposes and processes that underlie various forms of educational assessments, with emphasis on application assessment of students with disabilities, and how to use assessment data to inform instructional planning and IEP goal development.

RSED 4900 DIRECTED STUDIES (1-3) IND. SU. Departmental approval. Content focus of study area will be translated into specific objectives with student learning guided by the instructor. Emphasis on exceptional learners. Course may be repeated for a maximum of 3 credit hours.

RSED 4910 PRACTICUM (1-6) DSL. SU. Departmental approval. Practice in educational or community service setting aligned with degree program option. Course may be repeated for a maximum of 6 credit hours.

RSED 4920 CLINICAL RESIDENCY (9) AAB. 9. SU. Comprehensive supervised on-the job experience in a school, college or community-based setting serving individuals with disabilities. Departmental approval or admission to internship.

RSED 4970 SPECIAL TOPICS (1-3) DR4/ST1. Seminar in which upper-level students and professors engage in critical thinking regarding selected concepts, theories, research, and issues germane to the field of disabilities. Course may be repeated for a maximum of 9 credit hours.

RSED 5000 ADVANCED SURVEY OF EXCEPTIONALITY (3) LEC. 3. This course is an advanced study of exceptionality with emphasis upon the educational implications of disability and current issues in special education and rehabilitation. May count RSED 5000, RSED 6000, or RSED 6006.

RSED 5010 MEDICAL ASPECTS OF DISABILITY (3) LEC. 3. Medical terminology, basic body systems, common malfunctions, therapeutic services, restorative techniques, and disability evaluation for different disability groups and the vocational implications of each. May count RSED 5010, RSED 5013, RSED 6010, or RSED 6016.

RSED 5020 PSYCHOSOCIAL ASPECTS OF DISABILITY (3) LEC. 3. Theoretical constructs and practical issues for various types of physical, mental, psychiatric, and social disabilities with implications for personal, vocational, social and community adjustment. May count RSED 5020, RSED 5023, RSED 6020, or RSED 6026.

RSED 5070 MILD DISABILITIES (3) LEC. 3. The purpose of this course is to present the major concepts and issues related to mild disabilities. A variety of topics, ranging from the historical developments in the field to proposed teaching procedures for students, will be discussed. In-depth analysis of selected topics will be accomplished with student presentations and assignments. May count either RSED 5070 or RSED 6070.

RSED 5100 INFANTS AND TODDLERS WITH DISABILITIES (3) LEC. 3. Pr. RSED 3010. Historical, legislative, and philosophical basis of early intervention for young children, birth through age two, with special needs and their families. May count RSED 5100, RSED 6100, or RSED 6106.

RSED 5110 CURRICULUM IN EARLY CHILDHOOD SPECIAL EDUCATION: LITERACY AND DEVELOPMENTAL DOMAINS (3) LEC. 3. Procedures for developing, implementing, and monitoring individualized educational programs in natural settings. Admission to Teacher Education. May count RSED 5110, RSED 6110, or RSED 6116.

RSED 5120 CURRICULUM IN ELEMENTARY: LITERACY AND MATHEMATICS IN SPECIAL EDUCATION (3) LEC. 3. Pr. RSED 3010. Admission to Teacher Education. Functional/developmental approach to the selection, development, implementation, and evaluation of curriculum activities for the collaborative instruction of elementary children with disabilities. May count RSED 5120, RSED 6120, or RSED 6126.

RSED 5130 CURRICULUM IN LITERACY FOR STUDENTS WITH DISABILITIES (3) LEC. This course is designed to provide students with the understanding of language development, development of early literacy, and screening for early literacy deficits. This class will introduce language systems (orthography, phonetics, phonology, morphology, syntax, and semantics) and their role in the development of literacy. The course will provide opportunities for implementation of assessment and explicit system instruction in oral language, phonemic awareness, letter/sound correspondence, and basic reading. May count RSED 5130 or RSED 6130.

RSED 5140 CURRICULUM IN SEVERE DISABILITIES (3) LEC. 3. Pr. RSED 3010. Understanding a functional/developmental approach to selecting, developing, implementing, and evaluating appropriate curriculum activities for instructing students with severe disabilities. May count RSED 5140, RSED 6140, or RSED 6146.

RSED 5150 LITERACY METHODS IN SPECIAL EDUCATION (3) LEC. 3. Instructional strategies in reading for students with disabilities. May count RSED 5150 or RSED 6150.

RSED 5160 FRAMEWORK FOR COLLABORATION IN K-12 (3) LEC. 3. Admission to Teacher Education. Collaborative teaching, consultation, and teaming as a critical best practice in serving students with disabilities. May count RSED 5160, RSED 5163, RSED 6160, or RSED 6166.

RSED 5170 TRANSITION AND SECONDARY METHODS (3) LEC. 3. History, philosophy, models, and definitions of transition with emphasis on best practices, secondary methods, programs, and services. May count RSED 5170 or RSED 6170.

RSED 5180 LITERACY AND INSTRUCTIONAL CLASSROOM MANAGEMENT (3) LEC. 3. This course is designed to provide students with the understanding of literacy development and the practical application and management of interventions to support written language, vocabulary, and reading comprehension. The focus of this class will be to discuss proactive approaches to supporting students' literacy development. Students will be introduced to applied and research readings related to instructional management. These research findings will be integrated into discussions on the practical aspects of developing effective programs. After completing this class, students will be able to design and implement effective literacy and instructional strategies. May count RSED 5180 or RSED 6180.

RSED 5190 FUNCTIONAL CURRICULUM AND TRANSITION (3) LEC. 3. This course prepares teachers to support students who follow an alternative curriculum in elementary and secondary settings. This includes teaching functional skills, community-based instruction and supports for transition to post-secondary settings. May count either RSED 5190 or RSED 6190.

RSED 5200 VOCATIONAL EVALUATION IN REHABILITATION (3) LEC. 3. Vocational evaluation and work adjustment techniques and strategies used within the rehabilitation process. May count RSED 5200, RSED 5203, RSED 6200, or RSED 6206.

RSED 5210 OCCUPATIONAL INFORMATION (3) LEC. 3. Identification, location, and use of data resources for job accommodation and modification strategies, labor market surveys, and job placement of persons with disabilities. May count RSED 5210, RSED 6210, or RSED 6216.

RSED 5220 PLACEMENT SERVICES IN REHABILITATION (3) LEC. 3. Theories, strategies, and techniques for job development, accommodation, modification, and placement of people with disabilities with application skills needed to facilitate employment. May count RSED 5220, RSED 5223, RSED 6220, or RSED 6226.

RSED 5230 REHABILITATION ASSISTIVE TECHNOLOGY (3) LEC. 3. Basic computer literacy; use of commercially available software, and assistive technology for use by persons with disabilities. May count RSED 5230, RSED 6230, or RSED 6236.

RSED 5300 TRANSITION AND EMERGING ADULTHOOD IN REHABILITATION SERVICES (3) LEC. 3. This course is an introduction to the transition process of youth with disabilities from school to adulthood and employment with an emphasis on the developmental stages of emerging adulthood and the services surrounding this specialized area for rehabilitation professionals.

RSED 5330 ASSESSMENT FOR ELIGIBILITY (3) LEC. 3. This course provides students with a framework for understanding the purposes and processes that underlie various forms of educational assessments, with emphasis on standardized assessments for evaluating students with disabilities. This course will include assessment processes for eligibility for each category of special education eligibility. The course provides opportunities for application of concepts in assessment in special education as well as administration, review, and interpretation of standardized assessment data. The course covers historical, ethical, practical, and theoretical perspectives on identifying disabilities and planning individualized instructional programs for students with special needs. May receive credit for RSED 5330 or RSED 6330.

RSED 5340 FOUNDATIONS OF SUBSTANCE USE COUNSELING (3) LEC. 3. Provides knowledge of the nature of substance abuse, drug classification, models of addiction, assessment and diagnosis, treatment, and related issues. May count RSED 5340, RSED 6340, or RSED 6346.

RSED 5420 SPECIALIZED CURRICULUM IN MATHEMATICS (3) LEC. 3. This course will provide learners with understanding of a functional/developmental approach to the selection, development, implementation, and evaluation of appropriate mathematics curriculum and activities for the instruction of students with high incidence disabilities in grades 3-5. Content includes extensive exploration of various curricular theories focusing on individual and group approaches in mathematics concepts. May count for RSED 5420 or RSED 6420.

RSED 6000 ADVANCED SURVEY OF EXCEPTIONALITY (3) LEC. 3. This course is an advanced study of exceptionality with emphasis upon the educational implications of disability and current issues in special education and rehabilitation. May count RSED 5000, RSED 6000, or RSED 6006.

RSED 6010 MEDICAL VOC & PSYCHOSOCIAL ASPECTS OF DISABILITY (3) LEC. 3. An introduction to medical terminology, body systems, common physical and cognitive conditions therapeutic/restorative services, and psychosocial & vocational considerations of various disabilities. May count RSED 6010 or RSED 6016.

RSED 6040 LEARNING DISABILITIES (3) LEC. 3. Historical perspective, theoretical concepts, etiology, diagnosis, definition, and classification of individuals with learning disabilities. Educational and rehabilitative approaches and contemporary issues are emphasized. May count RSED 5040, RSED 6040, or RSED 6046.

RSED 6100 INFANTS AND TODDLERS WITH DISABILITIES (3) LEC. 3. Historical, legislative, and philosophical basis of early intervention for young children, birth through age two, with special needs and their families. May count RSED 5100, RSED 6100, or RSED 6106.

RSED 6110 CURRICULUM IN EARLY CHILDHOOD SPECIAL EDUCATION: LITERACY AND DEVELOPMENTAL DOMAINS (3) LEC. 3. Procedures for developing, implementing, and monitoring individualized educational programs in natural settings. May count RSED 5110, RSED 6110, or RSED 6116.

RSED 6120 CURRICULUM IN ELEMENTARY: LITERACY AND MATHEMATICS IN SPECIAL EDUCATION (3) LEC. 3. Functional/developmental approach to the selection, development, implementation, and evaluation of curriculum for the collaborative instruction of elementary children with disabilities. May count RSED 5120, RSED 6120, or RSED 6126.

RSED 6130 CURRICULUM IN LITERACY FOR STUDENTS WITH DISABILITIES (3) LEC. 3. This course is designed to provide students with the understanding of language development, development of early literacy, and screening for early literacy deficits. This class will introduce language systems (orthography, phonetics, phonology, morphology, syntax, and semantics) and their role in the development of literacy. The course will provide opportunities for implementation of assessment and explicit system instruction in oral language, phonemic awareness, letter/sound correspondence, and basic reading. May count RSED 5130 or RSED 6130.

RSED 6140 CURRICULUM IN SEVERE DISABILITIES (3) LEC. 3. Understanding a functional/developmental approach to selecting, developing, implementing, and evaluating appropriate curriculum activities for instructing students with severe disabilities. May count RSED 5140, RSED 6140, or RSED 6146.

RSED 6150 LITERACY METHODS IN SPECIAL EDUCATION (3) LEC. 3. Instructional strategies in reading for students who have disabilities. May count RSED 5150 or RSED 6150.

RSED 6160 FRAMEWORK FOR COLLABORATION IN K-12 (3) LEC. 3. Collaborative teaching, consultation, and teaming as a critical best practice in serving students with disabilities. May count RSED 5160, RSED 5163, RSED 6160, or RSED 6166.

RSED 6170 TRANSITION AND SECONDARY METHODS (3) LEC. 3. History, philosophy, models, and definitions of transition with emphasis on best practices, secondary methods, programs, and services. May count RSED 5170 or RSED 6170.

RSED 6180 LITERACY AND INSTRUCTIONAL CLASSROOM MANAGEMENT (3) LEC. 3. This course is designed to provide students with the understanding of literacy development and the practical application and management of interventions to support written language, vocabulary, and reading comprehension. The focus of this class will be to discuss proactive approaches to supporting children's literacy development. Students will be introduced to applied and research readings related to instructional management. These research findings will be integrated into discussions on the practical aspects of developing effective programs. After completing this class, students will be able to design and implement effective literacy and instructional strategies. May count RSED 5180, RSED 6180.

RSED 6190 FUNCTIONAL CURRICULUM AND TRANSITION (3) LEC. 3. This course prepares teachers to support students who follow an alternative curriculum in elementary and secondary settings. This includes teaching functional skills, community-based instruction and supports for transition to post-secondary settings. May count either as RSED 5190 or RSED 6190.

RSED 6220 PLACEMENT SERVICES IN REHABILITATION (3) LEC. 3. The course is designed to familiarize students with career theory and methods used by rehabilitation practitioners to analyze and apply vocational techniques to place individuals with disabilities. May count RSED 6220 or RSED 6226.

RSED 6230 REHABILITATION ASSISTIVE TECHNOLOGY (3) LEC. 3. Basic computer literacy; use of commercially available software, and assistive technology for use by persons with disabilities. May count RSED 5230, RSED 6230, or RSED 6236.

RSED 6330 ASSESSMENT FOR ELIGIBILITY (3) LEC. 3. This course provides students with a framework for understanding the purposes and processes that underlie various forms of educational assessments, with emphasis on standardized assessments for evaluating students with disabilities. This course will include assessment processes for eligibility for each category of special education eligibility. The course provides opportunities for application of concepts in assessment in special education as well as administration, review, and interpretation of standardized assessment data. The course covers historical, ethical, practical, and theoretical perspectives on identifying disabilities and planning individualized instructional programs for students with special needs. May receive credit for RSED 5330 or RSED 6330.

RSED 6340 FOUNDATIONS OF SUBSTANCE USE COUNSELING (3) LEC. 3. Provides knowledge of the nature of substance abuse, drug classification, models of addiction, assessment and diagnosis, treatment, and related issues. May count RSED 5340, RSED 6340, or RSED 6346.

RSED 6420 SPECIALIZED CURRICULUM IN MATHEMATICS (3) LEC. 3. This course will provide learners with understanding of a functional/developmental approach to the selection, development, implementation, and evaluation of appropriate mathematics curriculum and activities for the instruction of students with high incidence disabilities in grades 3-5. Content includes extensive exploration of various curricular theories focusing on individual and group approaches in mathematics concepts. May count for RSED 5420 or RSED 6420.

RSED 7010 REHABILITATION PROFESSIONS, PROGRAMS AND ETHICS (3) LEC. 3. This course exposes students to the ethics, history and development of the rehabilitation counseling movement inclusive of its legal base, philosophies, concepts, and current socio-political trends. May count either RSED 7010 or RSED 7016.

RSED 7110 ADVANCED ASSESSMENT AND INTERVENTION EARLY CHILDHOOD SPECIAL EDUCATION (3) LEC. 3. Assessment and intervention strategies for special needs children, pre-k through 3rd grade. Departmental approval. May count either RSED 7110 or RSED 7116.

RSED 7120 ADVANCED ASSESSMENT IN SPECIAL EDUCATION (3) LEC. 3. Advanced study of educational tests and procedures for diagnosing special training problems. Departmental approval. May count either RSED 7120 or RSED 7126.

RSED 7130 ADVANCED ASSESSMENT I IN REHABILITATION (3) LEC. 3. Principles, process and techniques used to diagnose vocationally-related assets and liabilities of the individual with disabilities. May count either RSED 7130 or RSED 7136.

RSED 7150 MULTICULTURAL ASPECTS OF DISABILITIES (3) LEC. 3. Study of three main areas relevant to multicultural competencies and standards for rehabilitation professionals: (a) acquisition of communication skills; (b) attitudes towards ethnic minorities, and (c) knowledge about minority populations. May count either RSED 7150 or RSED 7156.

RSED 7200 ADVANCED INTERVENTION WITH INFANTS AND TODDLERS WITH DISABILITIES (3) LEC. 3. Pr. RSED 7100 or RSED 7106. Administration and on-going management of early intervention programs and service coordination of individualized family service plans and family support. Departmental approval. May count either RSED 7200 or RSED 7206.

RSED 7210 ADVANCED INTERVENTION IN EARLY CHILDHOOD SPECIAL EDUCATION (3) LEC. 3. Pr. RSED 7110 or RSED 7116. Curriculum methods, intervention plans, intervention methods, physical and medical management, environmental and behavioral management, and evaluation of child and family outcomes. Departmental approval. May count either RSED 7210 or RSED 7216.

RSED 7220 ADVANCED TEACHING METHODS IN SPECIAL EDUCATION (3) LEC. 3. Applied study and practice in analyzing, designing, constructing and evaluating teaching sequences and programs with empirical emphasis for design of instructional principles. May count either RSED 7220 or RSED 7226.

RSED 7230 ADVANCED BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION (3) LEC. 3. Provides skills necessary to direct academic and social performance and appropriately manage the behavior of students with special needs. Departmental approval. May count either RSED 7230 or RSED 7236.

RSED 7240 SENINAR IN REHABILITATION RESEARCH AND DESIGN (3) LEC. 3. Research in rehabilitation counseling, with focus on acquisition of knowledge about traditional and recent developments in research methods, and skill application. May count either RSED 7240 or RSED 7246.

RSED 7310 PROPRIETARY REHABILITATION (3) LEC. 3. Vocational rehabilitation in private sector including case management and expert witness for workers compensation, personal injury litigation, and social security.

RSED 7320 INDIVIDUAL COUNSELING APPROACHES IN REHABILITATION COUNSELING (3) LEC. 3. Survey of theoretical approaches involved in individual counseling with an emphasis on persons with disabilities using an eclectic point of view and psycho-educational approach. May count either RSED 7320 or RSED 7326.

RSED 7400 CURRICULUM AND TEACHING IN SPECIALIZATION (3) LEC. 3. Curriculum design, content, and materials selection related to teaching practices in areas of specialization (intellectual disability, learning disabilities, behavioral disorders, etc.). RSED 7400 and RSED 7406 may be repeated for a maximum combined total of 6 credit hours.

RSED 7410 PROGRAM IMPLEMENTATION IN SPECIALIZATION (3) LEC. 3. Program organization and development of materials for curriculum improvement and teaching practices in a disability specialization area. RSED 7410 and RSED 7416 may be repeated for a maximum combined total of 9 credits with a change in disability specialization.

RSED 7420 RESEARCH IN SPECIALIZATION (3) LEC. 3. Examination and interpretation of applied research in specialization area (intellectual disabilities, learning disabilities, behavioral disorders, etc.). Course may be repeated with a change in research area. May count either RSED 7420 or RSED 7426. Course may be repeated for a maximum of 6 credit hours.

RSED 7430 RESEARCH INTO PRACTICE (3) LEC. 3. Applied opportunities for translating instructional and behavioral research into practice. The course may be repeated with a change in research topic. Departmental approval. May count either RSED 7430 or RSED 7436. Course may be repeated for a maximum of 6 credit hours.

RSED 7440 SEMINAR IN SPECIALIZATION (3) DSL/SEM. 3. Departmental approval. Advanced students and professor(s) engage in critical thinking regarding selected concepts, theories, research and issues germane to the field of disabilities. Course may be repeated with change in topics.

RSED 7460 POSITIVE BEHAVIOR SUPPORTS (3) LEC. 3. Evaluating and implementing Positive Behavior Interventions and Supports (PBIS) for students grades PK through 12 in traditional and alternative educational settings. May count either RSED 7460 or RSED 7466.

RSED 7900 DIRECTED STUDIES (1-3) IND. SU. Departmental approval. Content focus of study area will be translated into specific objectives with advanced student learning guided by the instructor. The department's policy is to restrict independent study only for content not covered in RSED's course listing. Course may be repeated for a maximum of 3 credit hours.

RSED 7910 PRACTICUM (1-6) DSL. SU. Departmental approval. Practice in educational or community service setting aligned with degree program option. Course may be repeated for a maximum of 6 credit hours.

RSED 7920 CLINICAL RESIDENCY (1-9) DSL. SU. Comprehensive supervised on-the-job experience in a school, college or community-based setting serving individuals with disabilities. Course may be repeated for a maximum of 12 credit hours.

RSED 7940 ADVANCED THEORIES IN REHABILITATION COUNSELING (3) LEC. 3. Intensive study of advanced theories within rehabilitation counseling, as well as an examination of outcome research relating to the use and application of these theories and techniques. May count either RSED 7940 or RSED 7946.

RSED 7950 EMERGING ADULTHOOD AND TRANSITION IN REHABILITATION (3) LEC. 3. Introduction to the transition process of youth with disabilities from school to adulthood and employment with emphasis on the developmental stage emerging adulthood. May count either RSED 7950 or RSED 7956.

RSED 7980 NON-THESIS PROJECT (1-3) DSL. SU. Course may be repeated for a maximum of 10 credit hours.

RSED 7990 RESEARCH AND THESIS (1-10) MST. Departmental approval. The content focus of the study area will be translated into specific objectives with the student learning toward that end, guided by the instructor. In addition to regular meetings with the instructor, the student will be evaluated and graded according to learning performance. The department's policy is to restrict independent study only for content not covered in RSED's course listing. Course may be repeated for a maximum of 10 credit hours.

RSED 8010 DISABILITIES AND RESEARCH METHODS (3) LEC. 3. Departmental approval. History, principles, and methodology of single subject research with emphasis on the various types of research designs applied in rehabilitation and special education.

RSED 8020 DISABILITIES AND APPLIED RESEARCH IN MEASUREMENT (3) LEC. 3. Departmental approval. Classical measurement theory, individual differences determination, constructs related to diagnostic labels, measurement bias and fairness, nature-nurture controversy, and clinical versus statistical inference.

RSED 8030 DISABILITIES AND PROFESSIONAL ISSUES (3) LEC. 3. Critical and contemporary issues regarding disability and its relationship to the leadership roles of professionals in special education and rehabilitation. May count either RSED 8030 or RSED 8036.

RSED 8040 DISABILITIES AND ASSISTIVE TECHNOLOGY (3) LEC. 3. Departmental approval. Adaptive technology for use by persons with disabilities and proficiency in the use of computers and the World Wide Web as they relate to disabilities.

RSED 8050 DISABILITIES AND THE LAW (3) LEC. 3. Departmental approval. Development of rehabilitation and special education laws from a historical, policy, leadership, and advocacy. perspective.

RSED 8060 DISABILITIES AND LIFE SPAN TRANSITIONS (3) LEC. 3. Departmental approval. Advanced study of historical, legal, legislative, philosophical, and service delivery issues and trends with emphasis on research studies and programs.

RSED 8070 PROFESSIONAL SEMINAR (3) LEC. 3. SU. Departmental approval. A series of doctoral seminars devoted to professional technical writing, grant writing, management, and research. Course may be repeated with change in topics.

RSED 8230 EXAMINING DISABILITY DATABASES (3) LEC. 3. Conducting descriptive and correlational research by using existing publicly available databases in the field of disabilities.

RSED 8900 DIRECTED STUDIES (1-3) IND. SU. Departmental approval. Content focus of study area will be translated into specific objectives with student learning guided by the instructor. Course may be repeated with change in topics.

RSED 8950 SEMINAR (1-3) DSL/SEM. Departmental approval. Provides an opportunity for advanced graduate students and professors to pursue cooperatively selected concepts and theoretical formulations. Course may be repeated for a maximum of 9 credit hours.

RSED 8980 NON-THESIS PROJECT (1-10) DSL/IND. SU. Departmental approval. May be repeated with change in topic. Provides an opportunity for advanced graduate students to pursue a project of interest. Course may be repeated with change in topics.

RSED 8990 RESEARCH AND DISSERTATION (1-10) DSL/DSR. Departmental approval. Course may be repeated with change in topic.

Secondary Education Courses

CTSE 1000 INQUIRY APPROACHES TO SCIENCE TEACHING: STEP 1 (1) LEC. 1. LAB. 2. This course allows students to explore teaching as a career. Following an introduction to the theory and practice behind excellent inquiry-based science instruction, candidates teach lessons in elementary classrooms to obtain firsthand experience in planning and implementation. An elementary school placement is chosen to help the AUTEach student connect with youth who are moving into the targeted grade band. Master teachers in AUTEach are instructors and are chosen for their experience and success in secondary classrooms. They provide candidates direct exposure to people who love teaching and view it as a rewarding career choice. Mentor teachers at the schools where candidates teach their prepared lessons demonstrate effective teaching techniques and classroom management skills, giving the future teachers a true taste of working in a supportive, diverse educational setting. The course emphasizes using the 5E Learning Cycle instructional model.

CTSE 2000 INQUIRY APPROACHES TO SCIENCE TEACHING: STEP 2 (1) LEC. 1. LAB. 2. This course allows students to continue developing the lesson planning and teaching skills explored in CTSE 1000 (Step 1). After observing a lesson being taught in a local school district classroom, students (in pairs) plan and teach two inquiry-based lessons to sixth, seventh, or eighth graders. Middle school science classrooms are selected both for the diversity of the student body and the quality of the classroom teachers, who serve as mentors for the Step 2 students assigned to them. For their final product, Step 2 students analyze and modify one of the lessons they taught, taking into account the results of the assessments, their reflection on how successful the lesson was, and feedback from observers (Mentor Teacher, Instructor, or Teaching Assistant). By the end of Step 2, students are usually able to make a decision about whether to pursue teacher certification through the AUTEach program. In addition to the unique Core Components and Course Objectives listed below, all AUTEach courses are designed in accordance with the AUTEach Course Design Principles. The course emphasizes using the 5E Learning Cycle instructional model.

CTSE 2500 INQUIRY APPROACHES TO SCIENCE TEACHING: COMBINED STEP 1 AND 2 (2) LEC. 2. LAB. 4. This course allows students to explore teaching as a career, learn the theory and practice behind excellent inquiry-based science instruction, and teach lessons in elementary and middle school classrooms in order to plan and implement lessons. This course replaces CTSE 1000 and CTSE 2000. It's a combined course. After observing lessons being taught in local school districts, students work in pairs to plan and teach two lessons in elementary classrooms, and two inquiry-based lessons to sixth, seventh, or eighth graders. Elementary and middle school science classrooms are selected both for the diversity of the student body and the quality of the classroom teachers, who serve as mentors for the students assigned to them. For their final product, Step 1/2 students analyze and modify one of the lessons they taught, taking into account the results of the assessments, their reflection on how successful the lesson was, and feedback from observers (Mentor Teacher, Instructor, or Teaching Assistant). By the end of this class, students are usually able to make a decision about whether to pursue teacher certification through the AUTEach program.

CTSE 4050 CURRICULUM AND TEACHING I: SOCIAL SCIENCE (4) LEC. 2. LAB. 4. Pr. CTSE 4210. Admission to Teacher Education. Application of current educational research and instructional strategies to the design of meaningful social studies instruction and assessment.

CTSE 4060 CURRICULUM AND TEACHING II: SOCIAL SCIENCE (4) LEC. 2. LAB. 4. Pr. CTSE 4050 and CTSE 4210. Admission to Teacher Education. Curriculum decision making and planning for instruction, evaluation, and classroom management.

CTSE 4070 CURRICULUM AND TEACHING I: FOREIGN LANGUAGE (4) LEC. 2. LAB. 4. Admission to Teacher Education. Strategies for teaching foreign language students with a special emphasis on developing good instruction for comprehensible input and emerging speech tasks. May count either CTSE 4070 or CTSE 4073.

CTSE 4080 CURRICULUM AND TEACHING II: FOREIGN LANGUAGE (4) LEC. 2. LAB. 4. Pr. CTSE 4070 or CTSE 4073. Admission to Teacher Education. Teaching strategies based on language acquisition theories that are appropriate for teaching foreign language students. May count either CTSE 4080 or CTSE 4083.

CTSE 4090 CURRICULUM AND TEACHING I: SCIENCE (4) LEC. 2. LAB. 4. Admission to Teacher Education. Planning, teaching strategies, evaluation techniques and classroom management procedures needed to be a successful science teacher.

CTSE 4150 CURRICULUM AND TEACHING I: ENGLISH LANGUAGE ARTS (4) LEC. 2. LAB. 4. Pr. CTSE 5010 and CTSE 5020. Admission to Teacher Education. Teaching the expressive English language arts, writing and speaking, in middle and high school classrooms.

CTSE 4160 CURRICULUM AND TEACHING II: ENGLISH LANGUAGE ARTS (4) LEC. 2. LAB. 4. Pr. CTSE 4150. Admission to Teacher Education. Teaching the receptive English language arts; reading, listening, and viewing; in middle and high school classrooms. Admission to Teacher Education required.

CTSE 4210 SOCIAL SCIENCE CONCEPTS AND METHODS (3) LEC. 3. For pre-service teachers. Organizing social science disciplinary knowledge into an integrated framework that is meaningful, useful, and relevant to high school students. 15 hours in social sciences (2000 level or above).

CTSE 4900 DIRECTED STUDIES (1-6) DSL/IND. SU. Departmental approval. Independent reading, research, or other work focused on a content area of special interest. The student is directed by a faculty member. Course may be repeated for a maximum of 6 credit hours.

CTSE 4910 PRACTICUM (1-6) DSL/PRA. SU. Departmental approval. Admission to Teacher Education. Cooperatively selected field experience. Course may be repeated for a maximum of 6 credit hours.

CTSE 4920 CLINICAL RESIDENCY (11) AAB/DSL. 40. SU. Pr. P/C CTSE 5210 or P/C CTSE 5213 or P/C CTSE 5220 or P/C CTSE 5223 or P/C CTSE 5230 or P/C CTSE 5233 or P/C CTSE 5240 or P/C CTSE 5243 or P/C CTSE 5250 or P/C CTSE 5253 or P/C CTSE 5410. Admission to Clinical Residency. Supervised teaching in a public secondary school abroad accompanied by scheduled discussions to analyze and evaluate the intern's experience. May count either CTSE 4920 or CTSE 4923.

CTSE 4930 AUTEACH CLINICAL RESIDENCY (8) DSL/FLD. 30. SU. Pr. P/C CTSE 5240 or P/C CTSE 5243. Departmental approval. Supervised science teaching in a public secondary school accompanied by scheduled discussions to analyze and evaluate the clinical resident's experience.

CTSE 4970 SPECIAL TOPICS (1-4) DSL. Departmental approval. Cooperatively selected concepts and theories pursued, normally in small groups. Course may be repeated for a maximum of 4 credit hours.

CTSE 5000 TECHNOLOGY IN SCIENCE EDUCATION (2) LEC. 2. Introduction and application of current and emerging instructional and communication technologies for integration in the secondary science program. May count either CTSE 5000, CTSE 5003, CTSE 6000 or CTSE 6006.

CTSE 5010 LANGUAGE STUDY FOR TEACHERS (3) LEC. 3. Theories of language development and language study applicable to middle and high school classrooms; implications for teaching grammar, usage, dialects, and semantics. Departmental approval. Junior standing. May count either CTSE 5010, CTSE 6010 or CTSE 6016.

CTSE 5020 RHETORIC AND COMPOSITION FOR TEACHERS (3) LEC. 3. Theories of rhetoric and composition applicable to middle and high school classrooms; implications for planning writing curricula, instruction, and assessment/evaluation. May count either CTSE 5020 or CTSE 6020.

CTSE 5030 TEACHING MATHEMATICS: HIGH SCHOOL (4) LEC. 2. LAB. 4. Strategies for teaching and evaluating high school mathematics to promote the learning of all students.

CTSE 5040 TECHNOLOGY AND APPLICATIONS IN SECONDARY MATHEMATICS EDUCATION (4) LEC. 2. LAB. 4. Pr. MATH 2660. Use of technological tools to enhance mathematics teaching and learning. May count either CTSE 5040 or CTSE 6040.

CTSE 5050 ANALYZING PERSISTENT ISSUES IN HISTORY AND GEOGRAPHY (3) LEC. 3. This course will engage students in inquiry-based and Persistent Issues in History units of content instruction with selected topics that integrate history and geography content and then deconstruct those units to examine the research-based learning and assessment principles that underlie their design.

CTSE 5060 ANALYZING PERSISTENT ISSUES IN POLITICAL ECONOMY (3) LEC. 3. This course integrates moral philosophy, political science, and economics into an exploration of persistent issues in political economy. Students will metacognitively analyze their own learning as they investigate and propose a policy solution to a political economy problem.

CTSE 5090 CURRICULUM AND TEACHING I: SCIENCE (4) LEC. 2. LAB. 4. Planning, teaching strategies, evaluation techniques and classroom management procedures needed to be a successful science teacher.

CTSE 5100 CURRICULUM AND TEACHING II: SCIENCE (4) LEC. 2. LAB. 4. Pr. CTSE 4090. Admission to Teacher Education. Higher-order reasoning and process skills using state and national standards as guides. Theoretical and applied approaches. May count either CTSE 5100 or CTSE 6100.

CTSE 5110 PERSPECTIVES IN SCIENCE (3) LEC. 3. Perspectives on Science is an overview and introduction to the scholarly field of science history with applications for embedding historical stories and discoveries into today's secondary science classrooms.

CTSE 5210 TEACHER INQUIRY WORKSHOP: PROBLEMS AND POSSIBILITIES (1) LEC. 1. Pr. P/C CTSE 4920 or P/C CTSE 4923. Admission to Clinical Residency. Community of practice for English Language Arts clinical residents to support professional practice through teacher inquiry. May count either CTSE 5210, CTSE 5213, CTSE 6210, or CTSE 6216.

CTSE 5220 CLASS MANAGEMENT AND DISCIPLINE IN FOREIGN LANGUAGE CLASSROOM (1-2) AAB. Admission to Clinical Residency. Seminar for clinical residents on classroom management in Foreign Language Education. May count either CTSE 5220 or CTSE 6220. Course may be repeated for a maximum of 2 credit hours.

CTSE 5230 MANAGING MIDDLE AND HIGH SCHOOL CLASSROOM (MATH EDUCATION) (1) AAB/DSL. 15. Pr. P/C CTSE 4920 or P/C CTSE 4923. Admission to Clinical Residency. The role of the teacher in mathematics classroom management. Methods for developing a positive learning environment. May count either CTSE 5230, CTSE 5233, CTSE 6230 or CTSE 6236.

CTSE 5240 CLINICAL RESIDENCY SEMINAR IN SCIENCE TEACHING (1) AAB/DSL. 15. Pr. P/C CTSE 4920 or P/C CTSE 4923. Admission to Clinical Residency. Seminar for Science Education clinical residents in classroom management, professional development, diversity and equity issues, theory and practice. May count either CTSE 5240, CTSE 5243, CTSE 6240 or CTSE 6246.

CTSE 5250 SEMINAR IN SOCIAL SCIENCE EDUCATION (1) AAB/DSL. 15. Pr. P/C CTSE 4920 or P/C CTSE 4923. Admission to Clinical Residency. Best practices for managing secondary social science classrooms and ethically resolving students discipline issues for a positive learning climate for all students. May count either CTSE 5250, CTSE 5253, CTSE 6250 or CTSE 6256.

CTSE 6000 TECHNOLOGY IN SCIENCE EDUCATION (2) LEC. 2. Introduction and application of current and emerging instructional and communication technologies for integration in the secondary science program. May count either CTSE 5000, CTSE 5003, CTSE 6000 or CTSE 6006.

CTSE 6010 LANGUAGE STUDY FOR TEACHERS (3) LEC. 3. Theories of language development and language study applicable to middle and high school classrooms; implications for teaching grammar, usage, dialects, and semantics. Departmental approval. May count either CTSE 5010, CTSE 6010 or CTSE 6016.

CTSE 6020 RHETORIC AND COMPOSITION FOR TEACHERS (3) LEC. 3. Theories of rhetoric and composition applicable to middle and high school classrooms; implications for planning writing curricula, instruction, and assessment/evaluation. May count either CTSE 5020, CTSE 6020 or CTSE 6026.

CTSE 6030 TEACHING MATHEMATICS: HIGH SCHOOL (4) LEC. 2. LAB. 4. Strategies for teaching and evaluating high school mathematics to promote the learning of all students.

CTSE 6040 TECHNOLOGY AND APPLICATIONS IN SECONDARY MATHEMATICS EDUCATION (4) LEC. 2. LAB. 4. Use of technological tools to enhance mathematics teaching and learning. May count either CTSE 5040 or CTSE 6040.

CTSE 6050 ANALYZING PERSISTENT ISSUES IN HISTORY AND GEOGRAPHY (3) LEC. 3. This course will engage students in inquiry-based and Persistent Issues of History units of content instruction with selected topics that integrate history and geography content and then deconstruct those units to examine the research-based learning and assessment principles that underlie their design.

CTSE 6060 ANALYZING PERSISTENT ISSUES IN POLITICAL ECONOMY (3) LEC. 3. This course integrates moral philosophy, political science, and economics into an exploration of persistent issues in political economy. Students will metacognitively analyze their own learning as they investigate and propose a policy solution to a political economy problem.

CTSE 6090 CURRICULUM AND TEACHING I: SCIENCE (4) LEC. 2. LAB. 4. Planning, teaching strategies, evaluation techniques and classroom management procedures needed to be a successful science teacher.

CTSE 6100 CURRICULUM AND TEACHING II: SCIENCE (4) LEC/LLB. 6. Pr. CTSE 4090. Higher-order reasoning and process skills using state and national standards as guides. Theoretical and applied approaches. May count either CTSE 5100 or CTSE 6100.

CTSE 6210 TEACHER INQUIRY WORKSHOP: PROBLEMS AND POSSIBILITIES (1) AAB. 1. Pr. P/C CTSE 7920 or P/C CTSE 7926. Admission to Clinical Residency. Community of practice for English Language Arts clinical residents to support professional practice through teacher inquiry. May count either CTSE 5210, CTSE 5213, CTSE 6210, or CTSE 6216.

CTSE 6220 CLASS MANAGEMENT AND DISCIPLINE IN FOREIGN LANGUAGE CLASSROOM (1) AAB. 15. Pr. P/C CTSE 7920 or P/C CTSE 7926. Admission to Clinical Residency. Seminar for clinical residents on classroom management in Foreign Language Education. May count either CTSE 5220, CTSE 5223, CTSE 6220 or CTSE 6226.

CTSE 6230 MANAGING MIDDLE AND HIGH SCHOOL CLASSROOM (MATH EDUCATION) (1) AAB. 15. Pr. (P/C CTSE 7920 or P/C CTSE 7926). Admission to Clinical Residency. The role of the teacher in mathematics classroom management. Methods for developing a positive learning environment. May count either CTSE 5230, CTSE 5233, CTSE 6230 or CTSE 6236.

CTSE 6240 CLINICAL RESIDENCY SEMINAR IN SCIENCE TEACHING (1) AAB. 15. Pr. P/C CTSE 7920 or P/C CTSE 7926. Admission to Clinical Residency. Seminar for Science Education clinical residents in classroom management, professional development, diversity and equity issues, theory and practice. May count either CTSE 5240, CTSE 5243, CTSE 6240 or CTSE 6246.

CTSE 6250 SEMINAR IN SOCIAL SCIENCE EDUCATION (1) AAB. 15. Pr. P/C CTSE 7920 or P/C CTSE 7926. Admission to Clinical Residency. Best practices for managing secondary social science classrooms and ethically resolving students discipline issues for a positive learning climate for all students. May count either CTSE 5250, CTSE 5253, CTSE 6250 or CTSE 6256.

CTSE 6710 LANGUAGE STUDY FOR TEACHERS (3) LEC. 3. Theories of language development and language study applicable to middle and high school classrooms; implications for teaching grammar, usage, dialects, and semantics. May count either CTSE 5710, CTSE 6710, or CTSE 6716.

CTSE 7000 ORIENTATION TO TEACHING AND LEARNING (1) LEC. 1. Skills, dispositions, community, and research planning for graduate students including preparation of a research proposal. May count either CTSE 7000 or CTSE 7006.

CTSE 7490 THE SECONDARY SCHOOL PROGRAM (3) LEC. 3. Departmental approval. Implications of research and theory for the total secondary school program.

CTSE 7510 RESEARCH STUDIES IN AREA OF SPECIALIZATION (3) LEC. 3. Research methodology, landmark studies, critique and application of research in the area of specialization.

CTSE 7520 CURRICULUM AND TEACHING IN AREA OF SPECIALIZATION (3) LEC. 3. Nature of learners and of knowledge and implications for building curricula and planning instruction in the area of specialization. May count either CTSE 7520 or CTSE 7526.

CTSE 7530 ORGANIZATION OF PROGRAM IN AREA OF SPECIALIZATION (3) LEC. 3. Program models, components, and standards in the area of specialization. May count either CTSE 7530 or CTSE 7536.

CTSE 7540 EVALUATION OF PROGRAM IN AREA OF SPECIALIZATION (3) LEC. 3. Theoretical perspectives of evaluation and methods of evaluating learners, teachers, and curricula. May count either CTSE 7540 or CTSE 7546.

CTSE 7560 EQUITY ISSUES IN MATHEMATICS EDUCATION (3) LEC. 3. Theories, issues, and pedagogy related to achieving equity in mathematics education.

CTSE 7800 CAPSTONE IN TEACHING AND LEARNING (2) LEC. 2. Development of a unique portfolio based on professional interest and demonstration the ability to foster student achievement through the design, implementation, and assessment of learning activities. May count either CTSE 7800 or CTSE 7806.

CTSE 7900 DIRECTED STUDIES (1-6) DSL/IND. SU. Departmental approval. Independent study directed toward desired objectives related to their respective areas of specialization. Includes evaluation at regular intervals by professor and student. Course may be repeated for a maximum of 6 credit hours.

CTSE 7910 PRACTICUM IN AREA OF SPECIALIZATION (1-6) AAB. SU. Departmental approval. Experience relating theory and practice, usually in a school setting. Course may be repeated for a maximum of 6 credit hours.

CTSE 7920 CLINICAL RESIDENCY (8-11) AAB. 40. SU. Pr. P/C CTSE 6210 or P/C CTSE 6216 or P/C CTSE 6220 or P/C CTSE 6226 or P/C CTSE 6230 or P/C CTSE 6236 or P/C CTSE 6240 or P/C CTSE 6246 or P/C CTSE 6250 or P/C CTSE 6256. Admission to Clinical Residency. Supervised clinical residency experiences in a school, college or other appropriate setting. Evaluation and analysis of the clinical residency experience. Departmental approval. May count either CTSE 7920 or CTSE 7926. Course may be repeated for a maximum of 11 credit hours.

CTSE 7970 SPECIAL TOPICS (1-6) DFL. Departmental approval. Provides an opportunity for the graduate student and professor to pursue selected topics in depth. Course may be repeated for a maximum of 6 credit hours.

CTSE 7990 RESEARCH AND THESIS (1-10) MST. Course may be repeated with change in topics.

CTSE 8950 SEMINAR (1-3) DSL/SEM. Selected concepts and theoretical formulations of common interest. Course may be repeated for a maximum of 12 credit hours.

CTSE 8980 FIELD PROJECT (1-3) DSL/FLD. SU. Departmental approval. Students review literature pertaining to a problem they have identified in their own practice, form hypotheses, plan intervention, collect data, analyze and interpret results, write summary of the project following approved guidelines, and orally defend the results of their project. Course may be repeated for a maximum of 3 credit hours.

CTSE 8990 RESEARCH AND DISSERTATION (1-10) DSL/DSR. Course may be repeated with change in topics.