

CSCE 4890. Directed Study. 1–3 hours. Study by individuals or small groups if faculty supervisor agrees. A plan of study approved by the faculty supervisor along with the study will be graded by the faculty supervisor; must be approved by the chair of the department. Prerequisite(s): junior or senior standing in computer science or computer engineering. May be repeated for credit.

CSCE 4905. Capstone I. 3 hours. First of a two-course sequence in which students develop a complex IT system starting from customer requirements and progressing through the entire analysis, design, implementation, testing and delivery lifecycle. Students work in teams to develop a project plan, complete the technical components of the project, prepare a variety of deliverable documents, and finally deliver the finished product to the customer. The first course focuses on the analysis and design of the system. Prerequisite(s): CSCE 3055.

CSCE 4910. Computer Engineering Design I. 3 hours. First course in the senior capstone design sequence. Focus is the application of techniques to the design of electronic systems that have digital hardware and software components. Students apply the theory acquired from numerous engineering courses to solve real-world design problems. The design will consider realistic constraints including economic, environmental, sustainability, manufacturability, ethical, social, safety. Prerequisite(s): CSCE 3612 and EENG 3510 and appropriate area electives.

CSCE 4915. Computer Engineering Design II. 3 hours. Second course in the senior capstone design sequence. Focus is the application of techniques to the design of electronic systems that have digital hardware and software components. Students apply the theory acquired from numerous engineering courses to solve real-world design problems. The design will consider realistic constraints including economic, environmental, sustainability, manufacturability, ethical, social, safety. Prerequisite(s): CSCE 4910.

CSCE 4920. Cooperative Education in Computer Science and Engineering. 1–3 hours. Supervised field work in a job directly related to the student's major field of study or career objective. May be repeated for credit. Prerequisite(s): junior or senior standing in computer science or computer engineering and consent of department.

CSCE 4925. Capstone II. 3 hours. Second of a two-course sequence in which students develop a complex IT system starting from customer requirements and progressing through the entire analysis, design, implementation, testing and delivery lifecycle. Students work in teams to develop a project plan, complete the technical components of the project, prepare a variety of deliverable documents, and finally deliver the finished product to the customer. The second course focuses on the implementation, testing and delivery of the system. Prerequisite(s): CSCE 4905.

CSCE 4930. Topics in Computer Science and Engineering. 3 hours. Topics vary. May be repeated for credit. Prerequisite(s): junior or senior standing in computer science or computer engineering and consent of instructor.

CSCE 4940. Special Computer Application Problem. 1–4 hours. Study defined by the student in applying computer science to another field. Work supervised and work plan approved by one faculty member from computer science and one from relevant application area; one to three students may work together if all faculty advisors concerned agree. Prerequisite(s): prior approval of plan by faculty

supervisor. Open to advanced undergraduate students capable of developing problems independently. May be repeated for credit.

CSCE 4950. Special Problems in Computer Science and Engineering. 1–3 hours. Prior approval of plan of study by faculty supervisor. Prerequisite(s): junior or senior standing in computer science or computer engineering.

CSCE 4951. Honors College Capstone Thesis. 3 hours. Major research project prepared by the student under the supervision of a faculty member and presented in standard thesis format. An oral defense is required of each student for successful completion of the thesis. Prerequisite(s): completion of at least 6 hours in honors courses; completion of at least 12 hours in the major department in which the thesis is prepared; approval of the department chair and the dean of the school or college in which the thesis is prepared; approval of the dean of the Honors College. May be substituted for HNRS 4000.

Construction Engineering Technology

see Engineering Technology

Converged Broadcast Media

see Radio, Television and Film

Counseling and Higher Education

Counseling, COUN

COUN 2610. Principles of Counseling I. 3 hours. An introduction to the broad range of counseling services and their application to schools and community agencies. May be taken concurrently with COUN 3620, COUN 3630, COUN 3640, COUN 4610 and COUN 4620.

COUN 2620. Diversity and Cultural Awareness. 3 hours. Didactic, experiential and applied learning opportunities prepare students to understand differences and commonalities within diverse cultures. Students learn how cultural identity influences personal and world views, perceptions of experience, and styles of communication. With a focus on developing intra- and interpersonal awareness, students cultivate attitudes and practice skills necessary for relating constructively with diverse individuals in a variety of work settings.

COUN 3600. Therapeutic Play. 3 hours. Didactic and experiential training in how to be a therapeutic agent in children's lives by using structured therapeutic play sessions. Participants are taught basic child-centered play therapy principles and skills, including reflective listening, recognizing and responding to children's feelings, therapeutic limit setting, building children's self-esteem, and structuring therapeutic play sessions with children using a special kit of selected toys. Observations of play therapy sessions and skill building therapeutic play sessions are required.

COUN 3620. Principles of Counseling II. 3 hours. An integrated overview of counseling services through personal self-exploration by the counseling associate. Focus is on the understanding of interpersonal dynamics through self-awareness. Prerequisite(s): COUN 2610 (may be taken concurrently).

COUN 3630. Survey of Career Development and Career Guidance. 3 hours. Overview of current problems and developments in career choices. Prerequisite(s): COUN 2610 (may be taken concurrently).

COUN 3640. Group Process in Helping Relationships. 3 hours. Group dynamics laboratory: group functions and leadership styles as related to helping relationships. Prerequisite(s): COUN 2610 (may be taken concurrently).

COUN 4620. Interpersonal Skills in Helping Relationships. 3 hours. Didactic and experiential training in interpersonal relationships; analysis and application of effective counseling activities. Prerequisite(s): COUN 2610 (may be taken concurrently).

Higher Education, EDHE - see *Graduate Catalog*

Counseling

see Counseling and Higher Education

Criminal Justice

Criminal Justice, CJUS

CJUS 2100 (CRIJ 1301). Crime and Justice in the United States. 3 hours. This course examines the societal responses to people and organizations that violate criminal codes; discusses the history, development, organization and philosophy of the justice process; and analyzes the complex inter-relationships between the major components of the criminal justice system (police, courts and corrections). *Satisfies the Social and Behavioral Sciences requirement of the University Core Curriculum.* (Same as SOCI 2100.)

CJUS 2600. Diversity Issues in Criminal Justice. 3 hours. Critically examines race, gender and other diversity issues within the U.S. criminal justice system. Topics of emphasis include the importance of diversity issues in the development, organization and operation of the criminal justice system. *Satisfies a portion of the Understanding the Human Community requirement of the University Core Curriculum.*

CJUS 2900-CJUS 2910. Special Problems. 1–3 hours.

CJUS 3201. Criminal Law. 3 hours. This course examines general and statutory bases and theories of criminal law and jurisprudence. Prerequisite(s): CJUS 2100 or equivalent.

CJUS 3210. Judicial and Legal Systems. 3 hours. This course examines the courts, the legal and judicial process and judicial behavior. Prerequisite(s): CJUS 2100 or equivalent.

CJUS 3300. Police Systems. 3 hours. This course focuses on the role and function of police in contemporary society, the problems arising between citizens and police from the enforcement of laws, the limitations of police in a democratic society and the methodologies used by the police to be a more effective component of the justice system. Prerequisite(s): CJUS 2100 or equivalent.

CJUS 3310. Organized and Consensual Crime. 3 hours. The study of the history, structure and governmental responses to organized crime; special emphasis is placed on consensual crimes such as drug abuse and trafficking, prostitution, pornography and gambling. Prerequisite(s): CJUS 2100 or equivalent.

CJUS 3320. Corporate Security and Loss Prevention. 3 hours. Overview of loss prevention problems and the security and management strategies designed to protect the private sector from crime, fire, accident, employee dishonesty and natural disaster. Prerequisite(s): CJUS 2100 or equivalent.

CJUS 3330. Introduction to Criminalistics. 3 hours. Overview of the field of criminalistics, with a focus on the recognition, collection, preservation and analysis of physical evidence. Introduction to topics such as fingerprint examination, trace evidence analysis and firearm examination. Prerequisite for more advanced criminalistics courses. Prerequisite(s): CJUS 2100 or equivalent, or consent of instructor.

CJUS 3340. Computer Crime. 3 hours. Introduction to computer crime through an examination of the crime and those individuals committing it, as well as the specific laws, investigative techniques, and criminological theories applicable to computer crime.

CJUS 3400. Correctional Systems. 3 hours. This course focuses on prisons and jails. It examines the goals and history of punishment; the death penalty; the composition and social organization of jail and prison populations; bail, detention, sentencing and classification; institutional management and the conflicts between rehabilitation and punishment. Prerequisite(s): CJUS 2100 or equivalent. (Same as SOCI 3460.)

CJUS 3410. Correctional Case Management. 3 hours. Study of the basic purposes and techniques of correctional case management with consideration given to the supervision and control of offender activities and the development of interpersonal skills required to enhance communication with and to effect lasting behavioral change in offenders. Prerequisite(s): CJUS 2100 or equivalent.

CJUS 3600. Criminology. 3 hours. This course provides an overview of the major criminological perspectives and an examination of the social, political and intellectual milieu within which each developed. The course focuses on the multi-disciplinary nature of criminological thought. Prerequisite(s): SOCI 1510, PSYC 1630 and CJUS 2100 or equivalents.

CJUS 3610. Juvenile Justice. 3 hours. Examines the juvenile justice system and the handling of juvenile delinquents in the United States. Specific attention is devoted to the history of the juvenile justice system and current police, court and correctional policies and practices pertaining to juvenile offenders.

CJUS 3620. Juvenile Delinquency. 3 hours. Examines juvenile delinquency in the United States. Specific attention is devoted to the definitions, measurement, and correlates of juvenile delinquency. Additional focus is paid to the various theories of juvenile delinquency and what each theory prescribes for preventing, treating and handling juvenile delinquents. (Same as SOCI 3620.)

CJUS 3630. Drugs, Crime and Society. 3 hours. Examines the relationship between drugs, crime and human behavior. Explores the relationship between drug abuse and crime and the policy proposals developed to control drug trafficking, drug abuse, and drug-related crime, as well as the multi-faceted aspects and effects of chemical abuse and dependency. (Same as SOCI 3630.)

CJUS 3700. Ethical Issues in Criminal Justice. 3 hours. A study of ethical issues facing the criminal justice system. Problems confronting police, the courts and the juvenile and correctional systems are addressed. Prerequisite(s): CJUS 2100 or equivalent.