

**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.

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## Honors College

### *Honors Courses, HNRS*

**1000. Honors College Seminar: Intellectual Heritage.** 1 hour. Explores the intellectual heritage and foundation on which students build as they progress academically. Includes lectures from a variety of disciplinary perspectives; students have opportunities to discuss important intellectual concepts. Prerequisite(s): admission to Honors College.

**1500. Introduction to Research: An Interdisciplinary Perspective.** 3 hours. Interdisciplinary lecture course on the basic principles of research in physical and life sciences, social sciences, humanities, and the performing arts. In addition to learning to apply basic research methods to a specific research topic, students discuss ethics and values in research, safety issues, intellectual property rights, and funding and publication issues. Prerequisite(s): admission to Honors College.

**2900. Special Problems.** 1–3 hours.

**3500. Honors Thesis Proposal Development.** 3 hours. Students develop a thesis proposal, including identification of a research topic, review of relevant literature and/or theory, formulation of hypotheses or research questions where relevant, addressing ethical and safety issues, developing a research budget, and developing a timeline for the research. Students should identify a thesis advisor in their major before the beginning of the course. Prerequisite(s): admission to Honors College and completion of 12 hours in honors courses.

**4000. Honors Capstone Seminar: Global Perspectives.** 3 hours. The Capstone Seminar is the final course for students enrolled in the Honors College. Students explore various issues of global importance. Prerequisite(s): good standing in the Honors College and completion of at least 12 semester hours of honors courses.

**4100. Honors Colloquium.** 3 hours. Interdisciplinary colloquium on various topics of significant interest. May be repeated for credit as topics vary. Prerequisite(s): acceptance to Honors College and upper-division standing or consent of college.

**4500. Honors Capstone Thesis.** 3 hours. A major research project is 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 15 semester hours in honors courses, successful completion of at least 12 semester hours in the department in which the thesis is prepared, and approval of the dean of the Honors College. May be substituted for HNRS 4000.

**4900. Special Problems.** 1–3 hours.

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## Human Service Management and Leadership

see Rehabilitation, Social Work and Addictions

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## Information Science

see *Graduate Catalog*

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## Information Technology and Decision Sciences

### *Business Computer Information Systems, BCIS*

**2610 (BCIS 1305 or 1405). Introduction to Computers in Business.** 3 hours. A study of the introductory concepts of computing in business; basic computer components, computer history and programming. Prerequisite(s): MATH 1100.

**3610. Basic Information Systems.** 3 hours. Theory, capabilities, applications, benefits, liabilities and economics of business computer information systems. Using the computer to solve business problems. Management information systems and computer-based decision support emphasized. Use of standard support application packages. Prerequisite(s): BCIS 2610; 2.7 UNT GPA.

**3615. Visual Display of Business Information.** 3 hours. Explores the use of visual display techniques and tools in the creation of electronic business documents and presentations. Stresses development of good written and oral presentation skills, as well as familiarity with a wide range of multimedia tools. Prerequisite(s): BCIS 2610 or equivalent; BCIS 3610; 2.7 UNT GPA (2.7 transfer GPA if no courses taken at UNT).

**3620. File Concepts and Procedures.** 3 hours. An introduction to COBOL programming in the business environment. Emphasis on the fundamentals of structured program design, development, testing, implementation and documentation of common business-oriented applications using COBOL. Coverage of language syntax, data and file structures editing, report generation, data validation, basic file processing and an introduction to batch and interactive JCL. Prerequisite(s): BCIS 2610 or equivalent; a grade of C or better in each previously taken BCIS course, or consent of department; 2.7 UNT GPA (2.7 transfer GPA if no courses taken at UNT).

**3630. Object-Oriented Programming for Business.** 3 hours. Introduction of abstract data types, inheritance, object identity, polymorphism as they relate to building business objects and business classes; use of Java programming language depicting the object orientation concepts; use of class libraries and Java packages for business object construction. Prerequisite(s): BCIS 3620 or equivalent; 2.7 UNT GPA (2.7 transfer GPA if no courses taken at UNT); a grade of C or better in each previously taken BCIS course, or consent of department.

**3680. Enterprise-Oriented Programming.** 3 hours. Concepts of enterprise-level Java development such as graphical interfaces, JavaBeans, database services, and distributed systems as they relate to building object-oriented applications at the enterprise-level. Prerequisite(s): BCIS 3630; 2.7 UNT GPA (2.7 transfer GPA if no courses taken at UNT); a grade of C or better in each previously taken BCIS course, or consent of department.