Department of Computer Science and Engineering

BA in Information Technology

- Advising Information
- Core Curriculum
- Course Descriptions
- Degree Plan Information

UNT Discovery Park (NTDP) F201
(940) 565-2767
www.cse.unt.edu

Valid only for those on Catalog Year 2012-13
**Information Technology**

- A minimum of 121 semester hours required for graduation.
- 42 advanced (3000-4000 level) hours required for degree (minimum of 24 must be taken at UNT).
- A minimum of 31 semester hours must be completed at UNT.

THIS IS A SIMPLIFIED GUIDE TO SELECTING COURSES – PLEASE MEET WITH YOUR ADVISOR AND CHECK THE UNDERGRADUATE CATALOG FOR ALL COURSE OPTIONS IN EACH CATEGORY

### Math, Science, & Engineering Core

- **LABORATORY SCIENCES** (8 Hours)
  - CHEM 1410 or 1415 & Lab (4 hrs)
  - PHYS 1710-1730 (4 hrs)

- **MATHEMATICS** (7 Hours)
  - Math 1710 – Calculus I (4 hrs)
  - Math 1680 or 1681 – Elem. Prob. (3 hrs)

- **ORAL / ADVANCED WRITTEN COMMUNICATIONS** (3 Hours)
  - TECM 2700 – Tech Writing (satisfies 2nd English)

### University Core

- **ENGLISH** (3 Hours)
  - ENGL 1310, 1311, 1312, or 1313
  - Grade of “C” or better required
  - Second English fulfilled by TECM 2700

- **UNITED STATES HISTORY** (6 Hours)
  - HIST 2610
  - HIST 2620 (4260 or 4700 recommended)
  - NOTE: Honors equivalents or History 4700 (Texas History) or any advanced US-Topic History course(s) may substitute for either of the US History survey courses.

- **POLITICAL SCIENCE** (6 Hours)
  - PSCI 1040
  - PSCI 1050
  - NOTE: If you are transferring credit for either PSCI course, please check with your advisor. Do not assume that your “first” course elsewhere is the same as PSCI 1040. An out-of-state American Government course cannot be equivalent to PSCI 1040 but may be equivalent to PSCI 1050. Any advanced US-Topic Political Science course may substitute for PSCI 1050 only.

- **SOCIAL AND BEHAVIORAL SCIENCES** (3 Hours)

- **VISUAL / PERFORMING ARTS** (3 Hours)
  - MUMH 3000 or 3010 recommended

- **HUMANITIES** (3 Hours)

- **DISCOVERY** (3 Hours)

- **CAPSTONE** (3 Hours)
  - CSCE 4010 Satisfies

TAKE UPPER DIVISION [3xxx & 4xxx] COURSES WHERE POSSIBLE

**NOTE:** You must maintain a 2.75 GPA in all upper division CSCE courses.

Completing CSCE 3530, CSCE 4550, and CSCE 4560 earns a certificate from the Committee on National Security Systems.

Completing CSCE 4210, 4215, 4220, and 4250 earns the Certificate in Game Programming.

A maximum of 6 hours of credit can be received in CSCE 4890, 4920, 4940, 4950 or 4980.

Check with your advisor concerning elective courses and eligible Concentration and Supporting Area courses.

In case of conflicting information, the catalog (catalog.unt.edu) prevails. This guide is for catalog year 2012-13 and does not apply to other catalog years.
Bachelor of Arts Major in Information Technology

Sample Focus Areas
Students are encouraged to consult their advisor concerning transferability of courses. The focus area does not appear on your diploma.

Supporting Tracks involve a clearly defined focus of courses in the Concentration and Supporting Areas. These courses may not be used as part of a minor.

These are just a few samples of the many options available to you. Please consult your advisor.

### Game Development

**CS Concentration Area Courses (9 Hours)**
- CSCE 4210 Game Programming I
- CSCE 4220 Game Programming II
- CSCE 4890.716 Directed Study in Game Dev

**Suggested Supporting Area Courses**
- Math 2700 Linear Algebra
- CSCE 4230 Intro. to Computer Graphics
- CSCE 4310 Intro to Artificial Intelligence
- CSCE 4890.716 2nd Directed Study in Game Dev
- CSCE 4215 Game Math & Physics
- CSCE 4250 Topics in Game Development
- Advanced Elective

### Business (Pre-MBA)

**CS Concentration Area Courses (9 Hours)**
- CSCE 4310 Intro. To Artificial Intelligence
- CSCE 4560 Secure Electronic Commerce
- CSCE 4890 Directed Study in Business Apps.

**Suggested Supporting Area Courses**
- ACCT 2010
- ACCT 2020
- FINA 3770
- MKTG 3650
- MGMT 3820
- BLAW 3430
- Any 3000-4000 level College of Business course

### Information Security

**CS Concentration Area Courses (9 Hours)**
- CSCE 4550 Intro. to Computer Security
- CSCE 4560 Secure Electronic Commerce
- CSCE 4890 Directed Study in Security

**Suggested Supporting Area Courses**
- CSCE 3530 Intro. to Computer Networks
- Advanced BCIS Security Course
- Advanced BCIS Security or e-Commerce
- Advanced BCIS Security or e-Commerce
- CSCE 4890 Directed Study in Security
- Advanced CJUS Course
- Advanced CJUS Course

### Pre-Law

**CS Concentration Area Courses (9 Hours)**
- CSCE 4550 Intro. to Computer Security
- CSCE 4560 Secure Electronic Commerce
- CSCE 4890 Directed Study in Security

**Suggested Supporting Area Courses**
Choose 21 hours from the following courses depending on legal focus area
- Political Sci. 3200, 3210, 4200, 4210, 4220, 4810
- Criminal Justice 3201, 4250, 2100, 3210, 3700
- Business Law 2000, 3430, 4200, 4430, 4450, 4480, 4600, 4770
## Course Offering for UNT Core Requirements

### ENGLISH COMPOSITION (3 Hours)
- ENGL 1310, College Writing I
- ENGL 1311, Honors Composition I
- ENGL 1313, Computer Assisted College Writing
- ENGL 1315, Writing about Literature I
- TECM 1312, Gram. & Comp. For International Students
- TECM 1700, Intro. to Professional, Science, & Tech. Writing

### UNITED STATES HISTORY (6 Hours)
- HIST 2610, US to 1865
- HIST 2675, Honors US History to 1865
- HIST 2620, US from 1865
- HIST 2685, Honors US History from 1865
- HIST 4700, Texas History Advanced (3*** or 4****) level U.S. History (Group A)

### POLITICAL SCIENCE (6 Hours)
- PSCI 1040, American Government
- PSCI 1041, Honors Am. Government
- PSCI 1050, American Government
- PSCI 1051, Honors Am. Government

### SOCIAL & BEHAVIORAL SCIENCES (3 Hours)
- AGER 4560, Minority Aging
- AGER 4800, Social Context of Aging
- ANTH 1010, Intro to Anthropology
- ANTH 2300, Culture and Society
- BEHV 2300, Behavior Principles I
- CJUS 2100, Crime and Justice in the U.S.
- COMM/2020, Interpersonal Comm.
- DFST 1013, Human Development
- EEAP 4050, Special Pop. in Disasters
- ECON 1100, Microeconomics
- ECON 1110, Macroeconomics
- HLTH 2200, Family Life & Human Sexuality
- JOUR 1200, Mass Comm. & Society
- MKTG 2650, Princ. of Global Marketing
- PADM 2100, Diversity in Urban Gover.
- PSYC 1630, General Psychology I
- PSYC 1650, General Psychology II
- RHAB 3100, Disability & Society
- SOCI 1510, Individuals in Society
- SOCI 2100, Crime & Justice in the U.S.

### VISUAL AND PERFORMING ARTS (3 Hours)
- ART 1300, Art Appreciation
- ART 1301, Honors Art Appreciation
- ART 2350, Art History Survey I
- ART 2350, Art History Survey II
- COMM 2060, Performance of Literature
- DANC 1200, Appreciation of Dance
- DANC 2800, Survey of Dance
- MUMM 1600, Music in Human Imagination
- MUMM 2040, Music Appreciation
- MUMM 3000, Nineteenth-Century Music
- MUMM 3010, Twentieth-Century Music
- THEA 1340, Aesthetics of the Theatre
- THEA 2340, Theater Appreciation
- THEA 3030, World Theatre to 1700
- THEA 3040, World Theatre from 1700

### HUMANITIES (3 Hours)
- AGER 2250, Images of Aging in Film & Lit.
- ENGL 2210, World Literature I
- ENGL 2221, Honors World Literature I
- ENGL 2220, World Literature
- ENGL 2221, Honors World Literature
- ENGL 2322, British Literature to 1780
- ENGL 2323, British Literature from 1780
- ENGL 2327, American Literature to 1870
- ENGL 2328, American Literature from 1870
- FREN 3040, Adv. Reading French Culture
- FREN 4070, French Culture & Lit. thru Film
- FREN 4310, Compar. French Civilization
- MUIT 3030, Music of the World
- PHIL 1800, Philosophy of Self
- PHIL 2070, Great Religions
- PHIL 2100, Intro to Judaism
- PHIL 2310, Intro to Ancient Philosophy
- PHIL 2400, Religion in American Society
- PHIL 2500, Contemp. Environ. Issues
- PHIL 2600, Ethics in Science

### DISCOVERY (3 Hours)
- ANTH 1100, World Cultures
- ANTH 1150, World Cultures Through Film
- ANTH 2070, Intro. to Race & Ethnic Studies
- ANTH 2200, Gender Across Cultures
- BCSIS 3615, Visual Display of Business Info.
- BIOL 1750/1755, Intro. Research Lab I & II
- BUSI 1340, Managing Business Enterprise
- COMM 1010, Intro to Communication
- COMM 5000, Honors Classical Argument
- COMM 2040, Public Speaking
- COUNT 2600, Diversity & Cultural Awareness
- DANC 1100, Stress Reduct. Thru Movement
- DSST 2033, Parenting in Diverse Families
- ENGR 1030, Technological Systems
- FREN 1610, French Influence in North Am.
- FREN 1620, French Language in Canada
- GEOG 1170, Culture, Environment & Society
- GEOG 1200, World Regional Geography
- GEOG 1500, Geography of DFW Metropole
- HIST 1050, World History to 1500
- HIST 1060, World History from 1500
- HMGD 1450, Principles of Nutrition
- HNRS 1100, The Good Society
- HNRS 1500, Intro. Research
- INST 2100, Intro. to International Studies
- LING 2030, Pop Culture, Tech. & Society
- MGMT 3330, Communicating in Business
- MKTG 3010, Professional Selling
- MUAG 1500, Occupational Health:
- PHED 1000, Health Related Fitness
- PHIL 1050, Introduction to Philosophy
- PHIL 1400, Contemporary Moral Issues
- PHIL 2050, Introduction to Logic
- PSYC 1500, Mythbusting
- RHAB 3000, Mic.Mental Counseling
- SOCI 2070, Race & Ethnic Relations
- SOWK 4540, Human Diversity
- TECM 1500, New Media for College Career
- UCRS 1000, Freshman Seminar
- WMST 2100, Women & Society

### CAPSTONE (3 Hours)
- ELET 4790, Senior Design II
- HNRS 4000, Honors Capstone Seminar
- MUIT 2020, Popular Music in Am, Culture
- PHIL 3700, Science, Technology & Society
- PHIL 3900, Philosophy of Food

*Additional courses will be added for the 2012-2013 curriculum. If your degree program doesn’t require a major course which double-dips for this core category, you should post-pone completing a course until the updated curriculum is released.*

Revised April 15, 2011
BA in Information Technology  
University of North Texas  
Transfer Student Guide

The tables below indicate the University Core, College of Engineering and Departmental course requirements that are available to take at area community colleges before transferring to UNT Denton or UNT Dallas. Courses that are taken at area community colleges after transferring to UNT Denton or UNT Dallas must be approved from a UNT advisor and may be different than what is listed on these tables.

Core Classes

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<th>UNT Course</th>
<th>Title</th>
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Please see the College of Engineering Advisers in Discovery Park BEFORE enrolling in courses at another institution.
College of Engineering Core

Grades of ‘D’ are not accepted

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Departmental Requirements

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