

FOUNDATIONS:

Foundations correspond to the seven Schools within UTD that offer regularly scheduled courses, and IS students choose any two of them. Each Foundation must be a minimum of twelve hours in length.

1. ARTS AND HUMANITIES
2. BEHAVIORAL AND BRAIN SCIENCES
3. COMPUTER SCIENCE
4. GENERAL STUDIES
5. MANAGEMENT
6. NATURAL SCIENCES AND MATHEMATICS
7. SOCIAL SCIENCES

* Students seeking teacher certification may also select an Education Foundation. See your advisor for details.

1. ARTS AND HUMANITIES. Includes courses in Art and Performance, Historical Studies, and Literary Studies. With your Advisor's written approval, this Foundation may also include one American Studies or Gender Studies course whose topic is appropriate to Arts and Humanities. Students must complete four (4) courses as indicated below:

- A. Required: HUMA 3300 Reading and Writing Texts (This course is NOT available during the summer.)

In addition, students must complete one course in each of the following areas:

- B. Art and Performance: Choose one course from:
any AHST course, any CRWT course, DANC 3342, DRAM 3323, FILM 3321, or MUSI 3322.
- C. Historical Studies: Choose one Historical Studies course
- D. Literary Studies: Choose one Literary Studies course

2. BEHAVIORAL AND BRAIN SCIENCES Students with a BBS Foundation MUST complete two (2) of the following courses or other approved courses:

PSY 3310	Child Development
PSY 3322	Psychology of Adjustment
PSY 3331	Social Psychology
PSY 3360	Historical Perspectives on Psychology: Mind and Machines Since 1600 (offered in Spring semesters)
PSY 3361	Cognitive Psychology
PSY 4331	Personality (offered Fall semester)
CGS 4361	Behavioral Neuroscience

Please note that PSY 2310 is a pre-requisite for all other PSY courses.

The remaining two Foundation courses are to be elective Psychology courses.

3. COMPUTER SCIENCE. Includes courses in Computer Science and Interdisciplinary Studies (IS). Students may select either PLAN A or PLAN B. (Please note that courses listed in parentheses are prerequisites to the course.) Basic to both Plan A and Plan B are programming skills/experience. These can be obtained through previous work experience or can be obtained by taking the following:

CS 1336/1136	Programming Fundamentals and Lab (no prerequisites)
CS 1337	Computer Science 1 (CS 1336 or equivalent programming experience)
CS 2336	Computer Science 2 (CS 1337)

PLAN A: THEORETICAL

This plan can be done without Calculus I and Calculus II, if the student has mathematical aptitude as determined by the Associate Dean of Computer Science and Engineering.

12 hours from:

CS 2305 Discrete Math for Computing I (MATH 1326 or 2417)
 CS 3305 Discrete Math for Computing II (CS 2305)
 CS 4337 Organization of Programming Languages (CS 2336 or CS 3333, and CS 2305)
 CS 4340 Computer Architecture with CS 4140 lab (CS 2305)
 CS 4384 Automata Theory (CS 3305)
 and other approved courses in Computer Science

PLAN B: PRACTICAL

12 hours from:

CS 3335 C/C++ Programming (CS 2336 or equivalent programming experience)
 CS 4376 Object-Oriented Programming Systems (CS 2336 or equivalent programming Experience)
 ISEC 4201/4102 The Computer and the Artist
 ISEC 4395 Computing in Society
 CS 4V95 Topics: Visual Basic (sometimes offered)
 CS 4V95 Topics: Visual C++ (CS 3335) (sometimes offered)

4. GENERAL STUDIES: Students using a General Studies Foundation can focus on **either** the American Studies **or** Gender Studies options. These options cannot be mixed.

PLAN A: AMERICAN STUDIES OPTION (12 hours)

- A. **American Culture:** Students may choose one of the following:
 AMS 3300 American Popular Culture or
 AMS 3302 American Cultures or
 AMS 3318 Contemporary American Conflicts or
 AMS 4303 Business, Law and Culture
- B. **Communication:** Students may choose one of the following:
 AMS 3313 Public Relations or
 AMS 3314 Public Communication or
 AMS 4304 Communication in America or
 AMS 4383 Media Issues or
 AMS 4385 Professional Communications in Business
- C. **The U.S. and the World:** Students may choose one of the following:
 AMS 3317 The U.S. and World Community or
 AMS 3326 The U.S. in the 21st Century or
 AMS 4310 Terrorism and U.S. Foreign Policy or
 AMS 4382 The Global Economy
- D. **AMS Elective:** Students may choose one of the following:
 AMS 3321 American Ethnic Experience pre 1945 or
 AMS 3322 American Ethnic Experience post 1945 or
 AMS 3325 Religious Groups in the U.S. or
 AMS 3370 Organized Crime in American or
 AMS 3374 Entrepreneurs in America or
 AMS 4378 Contemporary Studies of America or
 AMS 4384 North American Archaeology

PLAN B: GENDER STUDIES OPTION (12 hours)

- A. **Arts and Humanities Course:** Students must complete **one** of the following:
 ISAH 3330, ISAH 3394, HIST 3324, HIST 3384, HIST 4360, or LIT 3380
- B. **Behavioral and Brain Sciences** Students must complete **one** of the following:
 PSY 3324, PSY 4345, or PSY 4346
- C. **General Studies Course:** Students must complete **one** of the following:
 AMS 3300, AMS 3318, BIS 4v04, GST 3303, ISGS 3312, ISGS 4306, ISGS 4311, or ISGS 4320.
- D. **Social Sciences Course:** Students must complete **one** of the following:
 CJS 3324, GOVT 4333, GOVT 4334, GOVT 4363, GOVT 4364, SOC 3343, SOC 3352,

SOC 3353, SOC 4355, SOC 4364, or SOC 4375.

5. MANAGEMENT. Includes Accounting (AIM) and Business (BA) courses. Students with a Management Foundation MUST complete four (4) of the following courses or other Accounting or Management core courses: NOTE 1: A student cannot take more than a total of 21 hours of upper level BA and AIM courses for the IS degree! (This is our 20 hour rule.) (This rule includes the advanced electives.)

NOTE 2: An accounting Foundation is prohibited. No more than two accounting courses are permitted in both the Foundation and Concentration combined. (Courses in parenthesis are required as a prerequisite to the course.)

AIM 3320	Financial Information Management (AIM 2301)
AIM 3321	Managing Financial Data (AIM 2301, AIM 2302, MATH 1326, MATH 2333)
AIM 3331	Intermediate Financial Accounting I (AIM 2310, AIM 3320, MATH 1326, MATH 2333)
BA 2301	Business and Public Law
BA 3351	Introduction to Management Information Systems
BA 3361	Organizational Behavior
BA 3365	Principles of Marketing
BA 3372	Export Market Development (MATH 1326 and MATH 2333)
BA 3374	International Marketing (BA 3365, MATH 1326 and MATH 2333)
BA 4307	Corporations and Politics
BA 4309	Regulation of Business (ECO 2302)
BA 4320	Desktop Computing with Applications (MS Office)
BA 4321	Database Fundamentals (BA 3351)
BA 4329	Electronic Commerce (BA 3351, MATH 1326, and MATH 2333)
MATH 1325	Applied Calculus I (MATH 1314)
MATH 1326	Applied Calculus II (MATH 1325)
STAT 1342	Statistical Decision Making (MATH 1314)
STAT 3360	Probability and Statistics for Management and Eco (MATH 1326)

6. NATURAL SCIENCES AND MATHEMATICS. Includes courses in Biology, Chemistry, Geosciences, Mathematical Sciences, Physics, Statistics, and Interdisciplinary Studies courses offered by the School of Natural Sciences and Mathematics or accepted as science credits. Students with a Natural Sciences and Mathematics Foundation MUST complete four (4) courses listed in the Natural Science and Mathematics section of the catalog, e.g. Biology, Chemistry, Geosciences, Mathematics, Physics, ISNS courses and ISGS 4305 and ISGS 4308.

7. SOCIAL SCIENCES. Includes courses in Crime and Justice Studies, Economics and Finance, Geography, Government and Politics, Public Administration, Sociology, and Social Sciences. With your advisor's written approval, this Foundation may also include appropriate American Studies and appropriate Gender Studies courses. Students with a Social Sciences Foundation must select either Plan A or Plan B.

PLAN A

- 12 hours from Crime and Justice Studies to include: CJS 3300 and CJS 3301
- or 12 hours from Economics and Finance to include: ECO 3310 and ECO 3311
- or 12 hours from Geography to include: GEOG 3304 and GEOG 3331
- or 12 hours from Government and Politics to include: GOVT 3301 and GOVT 3322
- or 12 hours from Public Administration to include: PA 3310 and PA 4360
- or 12 hours from Sociology to include: SOC 3303 and SOC 3314

PLAN B

Students with a Social Sciences Foundation MUST complete four (4) courses from at least two (2) of the four (4) following areas:

Crime and Justice Studies, Economics and Finance, Geography, Government and Politics, Public Administration, Sociology, and Social Sciences (SOCS).