PRE-MAJOR REQUIREMENTS:

C- or better required and a minimum 3.0 average GPA (overall and within pre-major courses) required to apply for full major status.

1. CS 1030, Foundations of CS _____________________________ (3)
2. CS 1410, Object-Orient. Prog. ___________________________ (4)
3. CS 2420, Algorithms/Data Struct. _________________________ (4)
4. Math 1250 (HON, QR) or 1311 (HON, QR), Calc I ________ (4)
5. Math 1260 (HON, QR) or 1321 (HON, QR), Calc II ________ (4)

GENERAL EDU. REQUIREMENTS:

Honors options also accepted for FF, HF, FF, IR and DV courses. See Honors advisor for requirements.

1. HONOR 2211, Writing in Honors (WR2, HON) _____________ (3)
2. HONOR 3200, Research University (CW, HON) ___________ (3)
3. HONOR 2212, American Institutions (AI, HON) ___________ (3)

Six Intellectual Exploration (IE) courses required. TWO must be upper division (3000-level or above). ONE must satisfy the Diversity requirement and ONE must satisfy the International requirement.

4. ART 1020, Basic Drawing (FF): ___________________________ (3)
5. Fine Arts (FF): ________________________________ (3)
6. Honors Intellectual Traditions (HF, HON): ________________ (3)
7. Honors Intellectual Traditions (HF, HON): ________________ (3)
8. Social/Behavioral Science (BF): ___________________________ (3)
   • Upper Division (3000+ level IE) __________________________
   • Upper Division (3000+ level IE) __________________________
   • Diversity (DV) _______________________________________
   • International (IR) ______________________________________

MATH / SCIENCE ELECTIVES:

C- or better required in all math/science courses.

ONE additional math/science elective is required (at least three credits). Choose any non-CS math or science class with Math 1220 (Calculus II) as a pre- or co-requisite. Physics 2220 will also be accepted. Math 2200, 3010, 5010, 3070 not allowed.

1. Physics 2210, Physics I _________________________________ (4)
2. Choose 1: Math 2210 (QR) or Math 2270 _________________ (3)
3. CS 3130, Eng Prob & Stats (QI) _________________________ (3)
4. ________________________________ ( )

FILM REQUIREMENTS:

C- or better required in all FILM courses.

1. FILM 2700, Intro to Video Games _________________________ (3)
2. FILM 3500, Film Production ______________________________ (4)

See the CS Undergraduate Handbook online for complete details 3/14/17

The following requirements are restricted to FULL Majors:

C- or better required in all CS, EAE & Film courses. CR/NC grades not allowed for any major requirement. 2.5 GPA (overall & within CS) required to graduate.

MAJOR REQUIREMENTS:

1. CS 2100, Discrete Structures _____________________________ (3)
2. CS 3500, Software Practice I ____________________________ (4)
3. CS 3505, Software Practice II ____________________________ (3)
4. CS 3810, Computer Organization (QI) ___________________ (4)
5. CS 4150, Algorithms (QI) _______________________________ (3)
6. CS 4400, Computer Systems (QI) _________________________ (4)

EAE REQUIREMENTS:

1. EAE 3600, 3D Modeling _________________________________ (3)
2. EAE 3660, Machinima _________________________________ (3)
3. CS 4300, Artificial Intelligence __________________________ (3)
4. CS 5530, Databases ___________________________________ (3)

5. Choose ONE: (If both classes are taken, one counts as a CS elective below)
   CS 5460, Operating Systems _____________________________ (4)
   CS 5470, Compilers _____________________________________ (4)

CS ELECTIVE

Choose TWO: 4000+ level CS courses (3-4 cr). Seminars and EAE courses not accepted. (Suggested: CS 4480, 4540, 4600, 5350, 5630, 6000-level for honors)

1. ________________________________ (3)
2. ________________________________ (3)

SERIES REQUIREMENT:

Choose ONE:

ANIMATION SERIES
FILM 3610, Computer Animation I _________________________ (4)
FILM 3620, Computer Animation II _________________________ (4)

GAME DESIGN SERIES
FILM 3710, Traditional Game Development __________________ (4)
FILM 3720, Alternative Game Development __________________ (4)

THEORY RESTRICTED ELECTIVE

Choose ONE:
CS 3100, Models of Computation (QI) ______________________ (3)
CS 3200, Scientific Computing ____________________________ (3)

CAPSTONE REQUIREMENT

1. EAE 4500, Senior Project I ______________________________ (3)
2. EAE 4510, Senior Project II ______________________________ (3)
3. CS 4998, Honors Project Thesis (HON) ___________________ (1)