

## **Proposed Changes for the Core Requirements Computer Science Multimedia Studies**

### **Core Requirements for Computer Science & Multimedia Students**

- CS 121 (1) Introduction to Software Development
- CS 161 (4) Foundations of Computer Science I
- CS 162 (4) Foundations of Computer Science II
- CS 260 (4) Data Structures
- CS 370 (3) User Interface Design
- MM 225 (3) Introduction to Multimedia Development
- MM 252 (3) Intro to Web Authoring
- MM 315 (3) Multimedia Design
- CS 401 or MM 401 Capstone (1-6)
- CS 407 or MM 407 Seminar (1-6)

**Total: 27–37 hours**

### **CS Concentration**

#### **Track Requirements**

- CS 221 (4) C/C++ Programming
- CS 248 (3) Unix Programming
- CS 311 (3) Operating Systems
- CS 318 (4) Algorithms
- CS 335 (4) Networking and Network Administration
- CS 344 (3) Systems Analysis
- CS 360 (4) Object Orientated Programming
- CS 430 (3) Database Management Systems

**Total: 28 hours**

#### **Related area requirements**

- MATH 231 (4) Discrete Math
- MATH 251 (4) Calculus I
- MATH 252 (4) Calculus II
- MATH 261 (3) Linear Algebra

**Total: 15 hours**

#### **CS Electives**

**(at least 4 credits)**

- CS 301 (3) Assembly Language
- CS 310 (1-5) Special Topics
- CS 314 (3) Computer Architecture
- CS 321 (3) Computing Theory
- CS 327 (3) Compiler Design
- CS 380 (4) Software Engineering
- CS 381 (4) Programming Languages
- CS 405 (1-4) Reading and Conference
- CS 410 (1-5) Special Topics
- CS 427 (3) Stat and Scientific Computing
- CS 428 (4) Web Architecture and Programming
- CS 440 (4) Artificial Intelligence

## **MM Concentration**

### **Track Requirements**

- MM 319 (3) Multimedia Programming
- MM 327 (3) Introduction to Comp. Graphics Applications
- MM 350 (3) Multimedia Theory

**Total: 9 hours**

### **Related area requirements**

- Art 120 (3) Design
- Art 227 (3) Graphics
- Math 112 (4) Precalculus
- Math 231 (4) Finite Math

**Total: 14 hours**

## **MM Electives 21 credits (Choose from the following; may include 15 credits with CS prefix )**

- MM 310 (1-5) Selected Topics
- MM 352 (3) Intermediate Web Authoring – New
- MM 360 (3) 3D Graphics and Animation
- MM 364 (3) Digital Video Production
- MM 366 (3) Video Post-production
- MM 409 (1-12) Practicum
- MM 410 (1-5) Selected Topics
- MM 419 (3) Advanced Multimedia Programming
- MM 420 (3) Multimedia Simulation
- MM 452 (3) Advanced Web Authoring
- ENGL 195 (4) Introduction to Film
- WR 243 (3) Screenwriting Fundamentals
- WR 330 (3) The Electronic Word

**Total Credits required for B.S./B.A. CS Concentration: 74—84**

**Total Credits required for B.S./B.A. MM Concentration: 71—81**