

University Studies Requirements. 38-44 hrs

(See Academic Degrees and Programs. See co-requirements below before selecting mathematics and science University Studies electives.)

Core Courses 43 hrs

- CSC 100T Transitions
- CSC 145 Introduction to Programming I
- CSC 235 Programming in C++
- CSC 300 Discrete Structures
- CSC 325 Advanced Object-Oriented Programming
- CSC 345 Data Structures
- CSC 405 Computer Architecture
- CIS 407 Advanced Database Management Systems
- CSC 410 Parallel and Distributed Computing (Must be taken with CSC 411)
- CSC 415 Programming Languages
- CSC 425 Mobile and Web Programming
- CSC 430 Software Construction
- CSC 445 Computer Algorithms (Must be taken with CSC 446)
- CSC 530 Senior Software Project (Must be taken with CSC 531)
- CSC 540 Social, Ethical and Professional Issues in the Information Age

Updated curriculum
with CSC101 removed

Co-Requirements for Game Development Track¹ 0-22 hrs

- ENG214 Introduction to Creative Writing
- MAT 250 Calculus and Analytic Geometry I
- MAT308 Calculus and Analytic Geometry II
- [STA 135 Introduction to Probability and Statistics
- Or STA540 Mathematical Statistics I
- Or CIS243 Business statistics I and CIS343 Business statistics II]
- [PHY 130 General Physics I with PHY 131 General Physics I Lab
- or
- PHY235 Mechanics, Heat and Wave Motion with PHY236 Mechanics, Heat and Wave Motion Lab]

Restricted Electives 15 hrs

- CSC 275 Introduction to Game Programming
- CSC 515 Computer Graphics Programming
- CSC 575 Computer Animation and Game Development
- Choose TWO from the following courses
 - ART 350 Introduction to Graphic Design
 - ART (354) Illustration – *under AC review*
 - ART (357) Motion Graphics – *under AC review*
 - ART (363) Digital Sculpture – *under AC review*
 - JMC270 Basic Audio/Video Production

Unrestricted Electives..... 0-24 hrs

Total Curriculum Requirements 120 hrs

¹Required for area if not taken as University Studies elective.

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Unrestricted Electives..... 0-3 hrs

Required Minor..... 21 hrs

Total Curriculum Requirements 120 - 145 hrs

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