### Computer Science (CS)

#### CS 1000 Computing Skills and Concepts 3 Units
**Undergraduate**  
**Section** 01 - LEC (41758) 3 Units  
**Meeting** 02:00PM - 02:50PM  
**Meeting Days** MWF  
**Instructor** Samuel L Barr  
**Building** ITT  
**Room** 322  
Introduction to computers and how they work in the modern world. No programming required.

#### CS 1025 Modern Tools for Exploring Data 3 Units
**Undergraduate**  
**Section** 01 - LEC (41759) 3 Units  
**Meeting** 11:00AM - 12:15PM  
**Meeting Days** TR  
**Instructor** Mark F Jacobson  
**Building** ITT  
**Room** 134  
No programming required. This course counts for credit in LAC Category 1C Quantitative Techniques and Understanding.

#### CS 1120 Media Computation 3 Units
**Undergraduate**  
**Section** 01 - LEC (41769) 3 Units  
**Meeting** 09:30AM - 10:45AM  
**Meeting Days** TR  
**Instructor** Sergey Golitsynskiy  
**Building** ITT  
**Room** 322

#### CS 1130 Visual BASIC Programming 3 Units
**Undergraduate**  
**Section** 01 - LEC (41760) 3 Units  
**Meeting** 09:30AM - 10:45AM  
**Meeting Days** TR  
**Instructor** J Philip East  
**Building** ITT  
**Room** 328

#### CS 1150 Programming Environments for Elementary Education 2 Units
**Undergraduate Enrollment Requirement(s):** Level One Field Experience.  
**Section** 01 - LLB (44131) 2 Units  
**Meeting** 12:30PM - 01:45PM  
**Meeting Days** TR  
**Instructor** J Philip East  
**Building** ITT  
**Room** 328

#### CS 1160 C/C++ Programming 3 Units
**Undergraduate**  
**Section** 01 - LEC (41761) 3 Units  
**Meeting** 12:00PM - 12:50PM  
**Meeting Days** MWF  
**Instructor** Mark F Jacobson  
**Building** ITT  
**Room** 322  
Course presumes no prior programming experience.

#### CS 1410 Computer Organization 3 Units
**Undergraduate Enrollment Requirement(s):** Prerequisite(s) or corequisite(s): 810:051 (CS 1510)  
**Section** 01 - LEC (41762) 3 Units  
**Meeting** 11:00AM - 12:15PM  
**Meeting Days** TR  
**Instructor** Mark A Fienup  
**Building** ITT  
**Room** 328

#### CS 1510 Introduction to Computing 4 Units
**Undergraduate**  
**Section** 01 - LLB (41764) 4 Units  
**Meeting** 11:00AM - 11:50AM  
**Meeting Days** MWF  
**Instructor** Sarah M Diesburg  
**Building** WRT  
**Room** 328  
**Meeting** 08:00AM - 09:50AM  
**Instructor** Sarah M Diesburg  
**Building** WRT  
**Room** 112

#### CS 1520 Data Structures 4 Units
**Undergraduate Enrollment Requirement(s):** Prerequisite(s): CS 1510 (810:051) or consent of instructor. Prerequisite(s) or corequisite(s): CS 1800 (810:080).  
**Section** 01 - LLB (41765) 4 Units  
**Meeting** 08:00AM - 09:15AM  
**Meeting Days** TR  
**Instructor** Mark A Fienup  
**Building** WRT  
**Room** 10  
**Meeting** 08:00AM - 09:50AM  
**Instructor** Mark A Fienup  
**Building** WRT  
**Room** 112

**Section** 02 - LLB (41766) 4 Units  
**Meeting** 10:00AM - 11:50AM  
**Meeting Days** TR  
**Instructor** Mark A Fienup  
**Building** WRT  
**Room** 10  
**Meeting** 10:00AM - 11:50AM  
**Instructor** Mark A Fienup  
**Building** WRT  
**Room** 112  
Uses Python programming language.
### CS 1800 Discrete Structures 3 Units
Undergraduate
Enrollment Requirement(s): 810:030 (CS 1130), 810:036 (CS 1160), or 810:051 (CS 1510)

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### CS 2530 Intermediate Computing 3 Units
Undergraduate
Enrollment Requirement(s): 810:051 (CS 1510); 810:052 (CS 1520); 810:080 (CS 1800)

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<td>Michael J Holmes</td>
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### CS 2720 Software Engineering 3 Units
Undergraduate
Enrollment Requirement(s): 810:052 (CS 1520); 810:080 (CS 1800)

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### CS 2880 Topics in Computing: 3D Graphics in Maya 3 Units
Undergraduate

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### CS 3150 Information Storage and Retrieval 3 Units
Undergraduate
Enrollment Requirement(s): 810:052 (CS 1520); 810:080 (CS 1800); junior standing

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### CS 3430 Operating Systems 3 Units
Undergraduate
Enrollment Requirement(s): 810:041 (CS 1410); 810:052 (CS 1520); 810:080 (CS 1800); junior standing

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### CS 3540 Programming Languages and Paradigms 3 Units
Undergraduate
Enrollment Requirement(s): 810:052 (CS 1520); 810:080 (CS 1800)

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### CS 3730 Project Management 1 Units
Undergraduate
Enrollment Requirement(s): 810:053 (CS 2530); 810:172 (CS 2720); junior standing

80 - LEC

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<td>Melanie L Abbas</td>
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First 5 weeks of semester only.

### CS 3810 Theory of Computation 3 Units
Undergraduate
Enrollment Requirement(s): 810:080 (CS 1800); junior standing

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### CS 4400 System Administration 3 Units
Undergraduate
Enrollment Requirement(s): 810:147 (CS 3470/CS 5470); junior standing

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### CS 4620 Intelligent Systems 3 Units
Undergraduate
Enrollment Requirement(s): Prerequisites: CS 2530 (810:053); CS 3610/CS 5610 (810:161) or equivalent; junior standing. Prerequisite or corequisite: CS 3730.

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