<table>
<thead>
<tr>
<th>Fall Quarter</th>
<th>Winter Quarter</th>
<th>Spring Quarter</th>
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</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td><strong>Second Year</strong></td>
<td><strong>Third Year</strong></td>
</tr>
</tbody>
</table>
| CS 010  
C++ Programming I | CS 012 or CS 013  
C++ Prog II/Intro CS for Engr | CS 014  
Data Structures |
| ENGL 001A  
English Composition | ENGL 001B  
English Composition | ENGL 01SC  
English Composition for Engr |
| MATH 009A  
First Year Calculus | MATH 009B  
First Year Calculus | MATH 009C  
First Year Calculus |
| ENGR 001I  
Professional Dev & Mentoring | BREADTH  
Biological Science | BREADTH  
Humanities/Social Science |
| ENGR 92*  
Freshman Seminar | | |

**Second Year**

| CS 061  
Assembly Language Programming | EE/CS 120A  
Logic Design | CS 141  
Algorithms |
| MATH/CSE 011  
Intro to Discrete Structures | MATH/CSE 111  
Discrete Structures | CS/EE 120B  
Embedded Systems |
| PHYS 040A  
Physics (Mechanics) | PHYS 040B  
Physics (Heat/Waves/Sound) | PHYS 040C  
Physics (Electricity/Magnetism) |
| BREADTH  
Humanities/Social Science | BREADTH  
Humanities/Social Science | |

**Third Year**

| CS 161/161L  
Computer Architecture | CS 150  
Theory of Auto & Formal Language | ENGINEERING ELECTIVE  
**See Catalog List** |
| MATH 010A  
Multivariable Calculus | CS 153  
Operating Systems | ENGR 180  
Technical Communications |
| ENGR 101I  
Professional Dev & Mentoring | TECHNICAL ELECTIVE  
**See Catalog List** | MATH 113  
Linear Algebra |
| MATH ELECTIVE  
**See Catalog List** | | TECHNICAL ELECTIVE  
**See Catalog List** |

**Fourth Year**

| STAT 155  
Probability/Statistics for Engr | CS 152  
Compilers | CS 179  
Project in Computer Science |
| TECHNICAL ELECTIVE  
**See Catalog List** | TECHNICAL ELECTIVE  
**See Catalog List** | TECHNICAL ELECTIVE  
**See Catalog List** |
| TECHNICAL ELECTIVE  
**See Catalog List** | BREADTH  
Humanities/Social Science | BREADTH  
Humanities/Social Science |
| BREADTH  
Humanities/Social Science | | |

**Notes**

Humanities/Social Sciences courses fulfill breadth requirements specific to the College of Engineering. A list of approved Breadth courses is available on the College of Engineering Student Academic Affairs website: [www.engr.ucr.edu/studentaffairs](http://www.engr.ucr.edu/studentaffairs).

*Optional, but recommended.

**Electives are courses in Computer Science which explore specific topics. A list of Electives is available on the College of Engineering Student Academic Affairs website: [www.engr.ucr.edu/studentaffairs](http://www.engr.ucr.edu/studentaffairs), and the UCR College Catalog website: [www.catalog.ucr.edu](http://www.catalog.ucr.edu).