

Macomb Coursework – Before Transfer:

| General Education | 25-31 Hrs |
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| ENGL 1190: Communications 1 or ENGL 1220: Composition 1 Note: A Macomb prerequisite course is required. | 6-8 |
| Select one course: ARTT 1610, 2610, 2620; HIST 2340; HUMN 1210, 1270, 1300, 1460; MUSC 1030 | 3-4 |
| Select one course: ARAB, CHIN, FREN, GRMN, ITAL, SPAN 1260, 1270, 2360, 2370 | 4 |
| Select one course: GEOG 2000; HIST 2650; POLS 1600; INTL 2000, 2300, 2500, 2700 Note: POLS 1600 may only be used for one group. | 4 |
| Select one course: ENGL 2510, 2520, 2610, 2710, 2720, 2730, 2800, 2810, 2850; HUMN 1750 | 3 |
| Select one course: ANTH 1000; ECON 1160; POLS 1000, 1600; PSYC 1010; SOCY 1010 Note: POLS 1600 may only be used for one group. | 3-4 |
| Select one course: HIST 1500, 1600, 1700, 2000, 2100, 2200, 2360; PHIL 2010, 2100 | 3-4 |
| Select one course from a group above. You will fulfill 2 requirements with a single course. HIST 2100, 2200; HUMN 1460; POLS 1000; SOCY 1010 | 0 |

| Computer Science Core Requirements | 29-36 Hrs |
|--|------------------|
| MATH 1760: Analytic Geometry & Calculus 1 | 4 |
| MATH 1770: Analytic Geometry & Calculus 2 | 4 |
| MATH 2000: Introduction to Linear Algebra | 3 |
| MATH 2200: Discrete Mathematics | 4 |
| ITCS 2220: Advanced Visual Basic (Optional) Note: A Macomb prerequisite course is required. | 0-3 |
| ITCS 2590: Java 1 (Optional) Note: Macomb prerequisite courses are required. | 0-4 |
| CHEM 1170: General Chemistry 1 Or BIOL 1000: General Biology 1 | 4 |
| PHYS 2220: Analytical Physics 1 | 5 |
| PHYS 2230: Analytical Physics 2 | 5 |

OU Coursework – After Transfer:

| Major/Core Requirements | 18–26 Hrs |
|--|------------------|
| STA 225: Applied Statistics | 4 |
| EGR 141: Computer Problem Solving I (If ITCS 2220 is not taken at Macomb) | 0-4 |
| EGR 240: Intro to Electrical & Computer Engineering | 4 |
| CSE 230: Object Oriented Programming I (If ITCS 2590 is not taken at Macomb) | 0-4 |
| CSE 231: Object Oriented Programming II | 4 |
| CSE 280: Sophomore Project | 4 |
| CSE 364: Computer Organization | 4 |

| Computer Science Professional Courses | 34 Hrs |
|--|---------------|
| Select one course: CSE 220: Spreadsheet Programming & Reporting CSE 247: Introduction to Computer Networks CSE 251: Web Programming | 4 |
| CSE 337: Software Engineering and Practice | 4 |
| CSE 335: Programming Language | 4 |
| CSE 343: Theory of Computation | 4 |
| CSE 361: Design and Analysis of Algorithms | 4 |
| CSE 402: Professional Practice | 2 |
| CSE 345: Database Systems | 4 |
| CSE 450: Operating Systems | 4 |
| CSE 480: Senior Design | 4 |

| Approved Electives | 8 Hrs |
|---|--------------|
| 300 and 400 level electives to be selected with academic advisor assistance | 8 |

| Free Electives | 0-4 Hrs |
|---|----------------|
| These should be selected with advisor assistance if needed to bring OU credit hours to the required 64 hours. | 0-4 |

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| Maximum Macomb Credits = 64 | Minimum OU Credits = 64 |
| Minimum Credits for Bachelor of Science in Computer Science = 128 | |

Note: A grade of C- or better is required for a course to transfer. This guide and its requirements are subject to change and should be used in consultation with an academic advisor.