

Macomb Coursework – Before Transfer:

General Education	25-31 Hrs
ENGL 1190: Communications 2 or ENGL 1220: Composition 2 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 requires 64 hours.	0-4

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.