

**Macomb Coursework – Before Transfer:**

<b>General Education</b>	<b>22-27 Hrs</b>
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	3-4
Select one course: ENGL 2510, 2520, 2610, 2710, 2720, 2730, 2800, 2810, 2850; HUMN 1750	3
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 1270; POLS 1000	0

<b>Pre-Engineering and Core Requirements</b>	<b>43 Hrs</b>
MATH 1760: Analytic Geometry & Calculus 1	4
MATH 1770: Analytic Geometry & Calculus 2	4
MATH 2760: Analytic Geometry & Calculus 3	4
MATH 2000: Introduction to Linear Algebra	3
MATH 2770: Differential Equations	4
MATH 2200: Discrete Mathematics	4
CHEM 1170: General Chemistry 1	4
PHYS 2220: Analytical Physics I	5
PHYS 2230: Analytical Physics II	5
ECON 1160: Principles of Economics I	3
Select one course: ENGR 1150; ITCS 2220; PRDE 1400, 1410, 1450, 1510, 1610, 2500, 2600, 2610	3

Minimum cumulative 2.8 GPA required. Total credits = 65-70. OU accepts a maximum of 64 credits.

**OU Coursework – After Transfer:**

<b>Major/Core Requirements</b>	<b>17-21 Hrs</b>
EGR 120: Engineering Graphics & CAD	1
EGR 141: Computer Problem Solving I (If ITCS 2220 is not taken at Macomb.)	0-4
EGR 240: Intro to Electrical & Computer Engineering	4
EGR 250: Intro to Thermal Engineering	4
EGR 260: Intro to Industrial & Systems Engineering	4
EGR 280: Design & Analysis of Electro Mechanical Systems	4

<b>Computer Engineering Professional Courses</b>	<b>44 Hrs</b>
ECE 230: Object Oriented Computing I	4
ECE 231: Object Oriented Computing II	4
ECE 247: Introduction to Computer Networks	4
ECE 378: Digital Logic and Microprocessor Design	4
ECE 364: Computer Organization	4
ECE 470: Microprocessor Based Systems Design	4
ECE 491: Senior Design	4
ECE 276: Circuits & Systems	4
ECE 327: Electronic Circuits & Devices	4
Approved elective at the 300 or 400 level. Selected with academic advisor assistance	8

**Maximum Macomb Credits = 64****Minimum OU Credits = 64****Minimum Credits for Bachelor of Science in Computer Engineering = 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.