

Quinsigamond CC-UMass Lowell  
 Liberal Arts-Environmental Science A.S. to Environmental Science B.S.  
 MassTransfer Agreement Update (Dec 2021)

QCC Course #	QCC Course Title	QCC Credits	UML Course #	UML Course Title	UML Credits
ENG 101	Composition I	3	ENGL.1010	College Writing I	3
ENG 102	Composition II	3	ENGL.1020	College Writing II	3
CHM 105	General Chemistry I	4	CHEM.1210 & CHEM.1230L	Chemistry I & Chemistry I Lab	4
CHM 106	General Chemistry II	4	CHEM.1220 & CHEM.1240L	Chemistry II & Chemistry II Lab	4
BIO 107	Principles of Biology I	4	BIOL.1110 & BIOL.1170L	Principles of Biology I & Principles of Biology I Lab	4
BIO 108	Principles of Biology II	4	BIOL.1120 & BIOL.1180L	Principles of Biology II & Principles of Biology II Lab (Free Elective)	4
SOC 101	Introductory Sociology	3	SOCI.1010	Intro to Sociology	3
MAT 123	Pre-Calculus	3	MATH.1200	Pre-Calculus Mathematics I	3
MAT 124	Trigonometry	3	MATH.1230	Pre-Calculus Mathematics II	3
PHI 131	Introduction to Ethics	3	PHIL.2030	Introduction to Ethics	3
MAT 233	Calculus I	4	MATH.1310	Calculus I	4
MAT 122	Statistics	3	MATH.2830	Intro to Statistics	3
SPH 101	Speech Communication Skills	3	ENGL.2220	Oral Communications	3
PHY 101	Physics I	4	PHYS.1030 & PHYS.1030L	General Physics I & General Physics I Lab	4
SCI 104*	Climate and Weather	3	ATMO.1410	Weather & Climate	3
SCI 105*	Integrated Science: Earth and Space	4	GEOL.1010 & GEOL.1030L	General Geology & General Geology Lab	4
SCI 110*	Sustaining Earth's Environment	4	ENVI.1100 & ENVI.1120L	Global Environmental Studies & Global Environmental Studies Lab	4
ECO 216	Economics Elective (Recommended: Microeconomics)	3	ECON.2010	Principles of Microeconomics	3
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Notes:

1. PHI 131 Introduction to Ethics will satisfy the SRE core curriculum; SOC 101 Introductory Sociology will satisfy the DCA core curriculum.
2. \*Courses specific to the UML degree pathway will be applied through an exception form