

**Chemistry Courses Equivalencies –
UMass System and Massachusetts State Universities**

U-Mass Campuses

Framingham State University	UMass-Boston	UMass-Lowell	UMass-Dartmouth	UMass-Amherst
CHEM 103 General Chemistry	No equivalent in current online catalog	84.111 General Chemistry I and 84.113 General Chemistry Laboratory I	No equivalent course in current online catalog – Note that CHM 101 General Chemistry I does not have a laboratory component	CHEM 110 General Chemistry
CHEM107 Principles of Chemistry	CHEM 115 Chemical Principles I Lecture and CHEM 117 Chemical Principles I Laboratory	84.121 Chemistry I and 84.123 Chemistry I Lab	CHM 151 Principles of Modern Chemistry I and CHM 161 Introduction to Applied Chemistry I or CHM 155 Principles of Modern Chemistry I and CHM 163 Applied Chemistry Lab I	CHEM 111 General Chemistry for Science and Engineering Majors or CHEM 121 General Chemistry I
CHEM 108 Principles of Chemistry and Quantitative Analysis	CHEM 116 Chemical Principles II Lecture and CHEM 118 Chemical Principles II Laboratory	84.122 Chemistry II and 84.124 Chemistry II Lab	CHM 152 Principles of Modern Chemistry II and CHM 162 Introduction to Applied Chemistry II or CHM 156 Principles of Modern Chemistry II and CHM 164 Applied Chemistry Lab II	CHEM 111 General Chemistry for Science and Engineering Majors or CHEM 122 General Chemistry II
CHEM 201 Organic Chemistry	No equivalent in current online catalog	84.112 General Chemistry II and 84.114 General Chemistry Lab II	No equivalent course in current online catalog – Note that CHM 102 General Chemistry II does not have a laboratory component	
CHEM 207 Organic Chemistry I	CHEM 251 Organic Chemistry I and CHEM 255 Organic Chemistry I Lab	84.221 Organic Chemistry I and 84.227 Organic Chemistry I Lab	CHM 251 Organic Chemistry I and CHM 265 Organic Chemistry Lab I	CHEM 265 Organic Chem I and CHEM 267 Organic Chem I Lab
CHEM 301 Biochemistry I	BIOCHM 383 Biochemistry I and BIOCHM 385 Biochemistry Lab I	No equivalent course in the chemistry department – will evaluate if a student has had a similar course in a different department	No equivalent course in the chemistry department – will evaluate if a student has had a similar course in a different department	BIOCHM 523 General Biochemistry I and BIOCHM 526 General Biochemistry Lab

Massachusetts State Universities

Framingham State University	Worcester State University	Bridgewater State University	Fitchburg State University	Salem State University	Westfield State University	Mass College of Liberal Arts
CHEM107 Principles of Chemistry	CH 120 General Chemistry I	CHEM 141 Chemical Principles I	CHEM 1300 General Chemistry I	CHE 130 General Chemistry I	CHEM 0109 General Chemistry I	CHEM 150 Introduction to Chemistry I
CHEM 108 Principles of Chemistry and Quantitative Analysis	CH 121 General Chemistry II	CHEM 142 Chemical Principles II	CHEM 1400 General Chemistry II	CHE 131 General Chemistry II	CHEM 0111 General Chemistry II	CHEM 152 Introduction to Chemistry II
CHEM 207 Organic Chemistry I	CH 201 Organic Chemistry I and CH 203 Organic Chemistry Laboratory I	CHEM 343 Organic Chemistry I	CHEM 2000 Organic Chemistry I	CHE 212 Organic Chemistry I	CHEM 0201 Organic Chemistry I	CHEM 201 Organic Chemistry I
CHEM 301 Biochemistry I	CH/BI 410 Biochemistry I	CHEM 461 General Biochemistry I	CHEM 4100 Biochemistry (cross-listed with BIOL 3450)	CHE 309 Biochemistry	CHEM 0315 Biochemistry with Lab	BIOL 360 Biochemistry
CHEM 103 General Chemistry	CH 110 Introduction to General, Organic, and Biochemistry I	CHEM 131 Survey of Chemistry I	N/A	CHE 124 General Chemistry for Life Sciences	Unsure	
CHEM 201 Organic Chemistry	CH 111 Introduction to General, Organic, and Biochemistry II	CHEM 132 Survey of Chemistry II	N/A	CHE 125 Chemistry of Life Processes	Unsure	