

Universal Transfer Paths
TBR Community Colleges to Maryville College

Community College - CHEMISTRY (AS)

General Education Requirements:

Communication	9 hours	
ENGL 1010 & 1020	6 hours	
SPCH 1010 or 2100	3 hours	
Humanities and/or Fine Arts	9 hours	
One course in Literature	3 hours	
One course in Philosophy	3 hours	
One course in Fine Arts	3 hours	
History	6 hours	
Social/Behavioral Sciences	6 hours	
Natural Sciences (two courses with labs)	8 hours	
CHEM 1110 - General Chemistry I	4 hours	
CHEM 1120 - General Chemistry II	4 hours	
Mathematics	4 hours	
MATH 1910 - Calculus I	4 hours	

Gen Ed Requirement Total: 42 hours

Area of Emphasis Requirements:

MATH 1920 - Calculus II	4 hours
CHEM 2010, 2020 - Organic Chemistry I & II	8 hours
PHYS 2110, 2120 - Calc Based Physics I & II	8 hours

Area of Emphasis Total: 20 hours

Total AS Degree: 62 hours

Maryville College - BIOCHEMISTRY (BS)

Course Equivalencies:

ENG 110 & 120	6 hours
ENG 150	3 hours
ENG 160/170/180	3 hours
PHL/REL 149	3 hours
ART/MUS/THT 140	3 hours
HIS 149	6 hours
PSY/SOC 149	6 hours
CHM 121 - General Chemistry I	4 hours
CHM 122 - General Chemistry II	4 hours
MTH 125 - Calculus I	4 hours
MTH 225 - Calculus II	4 hours
CHM 223, 224 - Organic Chemistry I & II	8 hours
PHY 201, 202 - General Physics I & II	8 hours

Additional MC Core Requirements: 20 hours

ETH 490 - Ethical Citizenship	3 hours
Foreign Language	8 hours
MTH 110 - Quantitative Literacy	3 hours
WRC 370 - Cultural/Intercultural Dynamics	3 hours
US Pluralism	3 hours

Additional BS Major Requirements: 37-38 hours

CHM 264 or 365 - Analytical Chem or Instru Mthds	4 hours
CHM 316 - Fund Biochem & Molecular Biology	4 hours
CHM 391 - Physical Chemistry II	3 hours
BIO 115 - Principles of Cellular Biology	4 hours
BIO 221 - Genetics	4 hours
BIO/CHM 416 - Adv Biochem & Molecular Biology	4 hours
BIO 299 or CHM 399 - Professional Practices	1 hour
BIO 301 or BIO 355 or BIO 357	3-4 hours
BIO 412 or BIO 414 - Animal Physiol or Dev Bio	4 hours
BIO 351 or CHM 351 - Senior Study I	3 hours
BIO 352 or CHM 352 - Senior Study II	3 hours

Additional Elective Requirements: 8-9 hours

Total BS Degree: 128 hours