

**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 (BA)**

**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 BA Major Requirements: 29 hours**

CHM 316 - Fund Biochem & Molecular Biology	4 hours
CHM 381 - Physical Chemistry I	3 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 351 or CHM 351 - Senior Study I	3 hours
BIO 352 or CHM 352 - Senior Study II	3 hours

**Additional Elective Requirements: 17 hours**

**Total BA Degree: 128 hours**