

**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	
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Social/Behavioral Sciences	6 hours	
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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
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PSY/SOC 149	6 hours
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CHM 121 - General Chemistry I	4 hours
CHM 122 - General Chemistry II	4 hours

MTH 125 - Calculus I	4 hours
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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: 0-1 hour**

**Total BS Degree: 120 hours**