

# East Central University/Murray State College Articulation Agreement

## Bachelor of Science: Biology

### Molecular Biology Concentration

#### Associate of Science—Science

<input type="checkbox"/> ORI 1011 New Student Orientation	
<input type="checkbox"/> ENG 1113 English Comp I	
<input type="checkbox"/> HST 1483 U.S. History to 1865 <b>OR</b> HST 1493 U.S. History since 1865	
<input type="checkbox"/> MTH 1513 College Algebra*	
<input type="checkbox"/> ZOO 1114 General Zoology <b>OR</b> BOT General Botany*	
<input type="checkbox"/> <u>HWP 1112 Personal Health</u>	16
<input type="checkbox"/> ENG 1213 English Comp II	
<input type="checkbox"/> AP 2124 Anatomy and Physiology I*	
<input type="checkbox"/> CHM 1114 General Chemistry I*	
<input type="checkbox"/> CIS 1113 Computer Applications	
<input type="checkbox"/> <u>—3 Cultural Diversity &amp; Artistic Expression</u>	17
<input type="checkbox"/> AP 2134 Anatomy and Physiology II*	
<input type="checkbox"/> CHM 1214 General Chemistry II*	
<input type="checkbox"/> BIO 1404 Principals of Biology	
<input type="checkbox"/> PSY 1113 Intro to Psychology <b>OR</b> SOC 1113 Intro to Sociology	15
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<input type="checkbox"/> PHY 1114 Physics I*	
<input type="checkbox"/> MIC 2224 Introduction to Microbiology*	
<input type="checkbox"/> GVT 1113 American Federal Government	
<input type="checkbox"/> SPC 1113 Fundamentals of Speech	
<input type="checkbox"/> <u>—3 Cultural Diversity &amp; Artistic Expression</u>	
<input type="checkbox"/> SL 1111 Volunteerism <b>OR</b> CON 2911 Conservation Volunteerism	18
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Total Credit Hours	66

\* please see chart on second page  
for course equivalencies



#### Bachelor of Science—Biology

<input type="checkbox"/> —3 Required Biology Elective (BIOL 2773, 3013, 3683 OR 4113)	
<input type="checkbox"/> CHEM 3114 Organic Chemistry I	
<input type="checkbox"/> BIOL 4313 Cell and Molecular Biology	
<input type="checkbox"/> <u>—4 Minor or Elective</u>	14
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<input type="checkbox"/> BIOL 2243 Introduction to Biotechnology	
<input type="checkbox"/> —3 Statistics (EHS 3703, MATH 2213 OR SOC 3833)	
<input type="checkbox"/> —3 Required Biology Elective (BIOL 2773, 3013, 3683 OR 4113)	
<input type="checkbox"/> BIOL 3434 Genetics	13
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<input type="checkbox"/> BIOL 4765 Molecular Genetics	
<input type="checkbox"/> MATH 1713 Trigonometry <b>OR</b> MATH 3583 Applied Statistics	
<input type="checkbox"/> —4 Minor or Elective	
<input type="checkbox"/> <u>—4 Minor or Elective</u>	16
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<input type="checkbox"/> BIOL 3553 Genomic and Bioinformatics	
<input type="checkbox"/> BIOL 4545 Advanced Molecular Biology	
<input type="checkbox"/> BIOL 4881 Biology Senior Seminar	
<input type="checkbox"/> —4 Minor or Elective	
<input type="checkbox"/> <u>—4 Minor or Elective</u>	17
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Total Credit Hours	60



**Total Credit Hours Required for BS Degree: 124**  
**Total Hours Completed: 126**