

Missouri S&T — Ozarks Technical Community College

OTC Biology AS to Missouri S&T Biological Sciences BS Transfer Guide

The following OTC course work will apply to Missouri S&T Biological Sciences Bachelor of Science degree requirements as outlined below. Students are not required to complete all course work before transferring to Missouri S&T.

Ozarks Technical Community College		Missouri S&T				
OTC #	Title	Hours	S&T #	Title	Hours	
Communication Skills (Take all courses)						
Communication Skills	ENG 101	Composition I	3	ENG 020	Exposition and Argumentation	3
	ENG 150	Technical Writing	3	ENG 065	Introduction to Technical Writing	3
	COM 105	Public Speaking (Required for AA degree)	3	SPMS 085	Principles of Speech (Applies to S&T degree as humanities elective)	3
	Total Hours		9	Total Hours		9
Social Sciences (Select 9 credit hours to include one course to satisfy state requirement.)						
Social Sciences	HUM 121 or HST 120 or HST 130 or PLS 101	Western Civilization II or Discovery to Reconstruction or Reconstruction Through World War II or American Government and Politics <small>(At least one of these courses is required to satisfy state requirements)</small>	3	HIS 112 or HIS 175 or HIS 176 or PS 090	Modern Western Civilization or American History to 1877 or American History Since 1877 or American Government <small>(At least one of these courses is required to satisfy state requirements)</small>	3
	ECO 270 or ECO 275	Principles of Economics I or Principles of Economics II	3	ECON 122 or ECON 121	Principles of Macroeconomics or Principles of Microeconomics	3
	PSY 110	Introduction to Psychology	3	PSYCH 050	General Psychology	3
	Total Hours		9	Total Hours		9
Humanities (Select 6 credit hours)						
Humanities	ART 110	Art and Experience	3	ART 080	Art Appreciation	3
	MUS 101	Music of the World	3	MUS 050	Music Understanding and Appreciation	3
	THR 101	Introduction to Theater	3	THE 090	Theatre Appreciation	3
	ENG 240	British Literature: The Beginnings to 1790	3	ENG 075	British Literature I: The Beginnings to 1800	3
	ENG 220	American Literature: The Beginnings to 1870	3	ENG 105	American Literature: 1600 to 1865	3
	ENG 225	American Literature: 1870 to Present	3	LIT 106	American Literature: 1865 to Present	3
	PHL 101	Introduction To Philosophy	3	PHIL 005	Intro to Philosophy	3
	Total Hours		6	Total Hours		6
Mathematics and Sciences (Take all courses)						
Mathematics and Sciences	MTH 130, 131 or MTH 138	College Algebra and Trigonometry or Pre Calculus	5	MATH 004, 006	College Algebra and Trigonometry	5
	MTH 140	Analytic Geometry/Calculus I	5	MATH 008	Calculus with Analytic Geometry I	5
	CHM 111	General Chemistry I	5	CHEM 001,002	General Chemistry I and Lab	5
	CHM 112	General Chemistry II	5	CHEM 003,008	General Chemistry II and Qualitative Analysis	5
	PHY 120	General Physics I	4	PHY 031, 022	General Physics I and Lab	4
	PHY 13	General Physics II	4	PHY 035, 026	General Physics II and Lab	4
	BIO 160	General Biology I	4	BIO 110, 112	General Biology	4
	Total Hours		#REF!	Total Hours		32
Additional Degree Requirements (Select up to 10 credits)						
Additional Degree Requirements	BIO 170	General Biology II	4	BIO 113, 114 or Gen Biology II	Biodiversity and Lab or Principles of Biology II	4
	BIO 250	Genetics	4	BIO 231	General Genetics	3
	BIO 275	Environmental Biology	4	BIO 251	Ecology	3
	BCS 140	Human Anatomy	4	BIO 241	Human Anatomy and Lab	5
	BCS 150	Human Physiology	4	BIO 242	Human Physiology	3
	CIS 101	Personal Computer Applications <small>(Required for AS degree.)</small>	3	GNCR	General Credit <small>(Transfers to S&T as general elective credit.)</small>	3
Total Hours		10	Total Hours		10	
Total Credit Hours					66	

Missouri S&T residency requirements: The last 60 credits of the 128 credits required for the Biological Sciences BS degree must be completed at Missouri S&T. Consult your transfer school advisor to take more transfer credits than recommended on this guide. Students are not required to complete all course work before transferring to Missouri S&T.