



This transfer guide is intended to help you prepare for your transfer from Moberly Area Community College to the Bachelor of Science in Biology degree at MU. *This plan is not a substitute for academic advising.* Before following this guide, we encourage you to contact an MU academic advisor for further information about degree requirements, course selection, and graduation requirements.

Contact Information

Division of Biological Sciences

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Other Resources

Check the following web sites for current course descriptions, prerequisites, course equivalencies and other specific details about the degree:

- 1) College Catalog (<http://majors.missouri.edu>)
- 2) Transfer Admission (<http://transfer.missouri.edu>)
- 3) Transfer Equivalencies (<https://www.transferology.com/school/missouri> or <http://transfercourses.missouri.edu>)
- 4) Biological Sciences (<http://biology.missouri.edu/undergrad/>)

Transfer Admission Requirements

- Transfer students who meet MU's freshman admission requirements must have a 2.5 transfer GPA in college-level courses to be admitted.
- Transfer students who do not meet MU's freshman admission requirements must have:
 - A minimum of 24 transferable college-level credits;
 - A 2.5 GPA in transferable college-level courses; and
 - Either College Algebra with a C- or better or the equivalent to MU's English 1000 with a C- or better.
- Transfer students with an associate of arts (AA) degree from a regionally accredited Missouri community college are considered to have met the general transfer admission requirements.

Additional Information

You will need to complete a total of 120 hours in order to graduate. It will take roughly 90 to 110 credit hours to fulfill the requirements specific to the degrees offered in Biological Sciences. You may use elective courses to bring your total credit hours to 120.

At least 30 of the hours must be in courses at the 3000-level or higher. (Biology 2200 and 2300 and Chemistry 2030 may be used to meet the 3000-level requirement.) At least one 3000-level or higher course with a formal lab or field experience. At least 12 hours of 2000-level or higher approved biology coursework must be taken at MU.



University of Missouri		Moberly Area Community College
COURSE	CREDITS	EQUIVALENT COURSE (CREDITS)
College Algebra (3)		
MATH 1100 College Algebra	3	MTH 140 College Algebra (3)
Mathematical Sciences (6-8)		
MATH 1400 Calculus for Social/Natural Sciences or MATH 1500 Analytic Geometry and Calculus I or INFOTC 1040 Intro to Problem Solving & Programming	3-5	MTH 201 Analy Geom & Calc I (MRP) (5) (MATH 1500) or CIT 105 Program I (3) and CIT 205 Programming II (3) (INFOTC 1040)
STAT 1400 Elem Stat for Life Sciences or STAT 1200 Introductory Statistical Reasoning or STAT 1300 Elementary Statistics	3	MTH 160 Elem Statistics (MRP) (3)
Chemistry (16 credits)		
CHEM 1320 College Chemistry I	4	PHY 121 Gen Chemistry I (5)
CHEM 1330 College Chemistry II	4	PHY 122 Gen Chemistry II (5)
CHEM 2100 Organic Chemistry I	3	No Equivalent
CHEM 2110 Organic Chemistry II	3	No Equivalent
CHEM 2130 Organic Chemistry I Lab	2	PHY 222 Organic Chem II (5)
Physics (8-10 credits)		
Select one option:		
PHYS 1210 College Physics I and Lab and PHYS 1220 College Physics II and Lab	8	PHY 181 General Physics I (5) and PHY 182 General Physics II (5)
PHYS 2750 University Physics I and Lab and PHYS 2760 University Physics II and Lab	10	PHY 201 College Physics I (5) and PHY 202 College Physics II (5)
English Exposition and Argumentation (3 credits)		
ENGLSH 1000 Exposition and Argumentation	3	LAL 102 Composition II (3)
Behavioral Sciences (5 credits)		
Behavioral Science 1	3	Select behavioral sciences from the general education list on page 4.
Behavioral Science 2	2-3	
Social Sciences (9 credits) Courses from at least two different departments.		
State Requirement in Government or History	3	Select state requirement from the general education list on page 4.
Social Science 2	3	Select social sciences from the general education list on page 4.
Social Science 3	3	
Humanities/Fine Arts (12 credits) Courses from at least three different areas.		
Humanity 1	3	Select humanities from the general education list on page 4.
Humanity 2	3	
Humanity 3	3	
Humanity 4	3	
Foreign Language or Foreign Language Alternative (12 credits)		
Select one option:		
Foreign Language - 12 credits in the same language Requirement is waived if level 4 of single foreign language was completed in high school.	12	Select language courses from the general education list on page 4.
Foreign Language Alternative – 12 credits from one of three approved tracks	12	Check the biological sciences web site for options.
Upper Level General Education (9 credits) At least 9 credits of behavioral science, social science, or humanities must be at the 2000-level or above.		
<input checked="" type="checkbox"/> Upper-level general education courses may also count toward other general education requirements (behavioral sciences, social sciences, or humanities).		
Upper Level 1	3	Select 2000-level A&S courses from behavioral science, social science, or humanity on the general education list on page 4. Level is based upon the community college course number, NOT the MU equivalent.
Upper Level 2	3	Must be taken at MU.
Upper Level 3	3	
Writing Intensive (2 courses) Must be completed with a C- or better.		
Writing Intensive course from anywhere in the curriculum	3	Must be taken at MU unless waived via completion of an AA degree.
Writing Intensive course numbered 3000 or above in biology	3	Must be taken at MU.



University of Missouri		Moberly Area Community College
COURSE	CREDITS	EQUIVALENT COURSE (CREDITS)
Biological Sciences (33 credits) <i>At least 14 credits in Biology must be completed at the 3000-level or higher</i>		
BIO SC 1500 Introduction to Biological Systems	5	Substitution for BIO SC 1500 – BIO 150 Gen Zoology (5) and BIO 151 Intro Plant Bio (5)
BIO SC 2200 General Genetics	4	No Equivalent
BIO SC 2300 Cell Biology	4	No Equivalent
Evolutionary Biology (<i>select one course</i>) BIO SC 3400 Evolution and Ecology BIO SC 4600 Evolution	3	No Equivalent
Biological Diversity (<i>select one course</i>) BIO SC 2600 Ornithology BIO SC 2700 Ichthyology MICROB 3200 - Medical Microbiology and Immunology BIO SC 3210 Plant Systematics BIO SC 3260 Invertebrate Zoology BIO SC 3510 Biology of Fungi BIO SC 3660 Mammalogy BIO SC 3710 & 3715 Intro Entomology/Insect Diversity BIO SC 3750 General Microbiology	3-5	No Equivalent
Capstone (<i>select one course</i>) BIO SC 4950/4952 Undergraduate Research in Biology BIO SC 4976 Molecular Biology BIO SC 4978 Cancer Biology BIO SC 4982 Human Inherited Diseases BIO SC 4983 Molecular Ecology BIO SC 4986 Neurology of Motor Systems BIO SC 4988 Nerve Cells and Behavior BIO SC 4990 Vertebrate Histology & Microscopic Anat BIO SC 4994 Senior Seminar	3-5	No Equivalent
Biology Electives Bio Elective Credit (Physiology) Bio Elective Credit (Microbiology) Other Bio Elective Credit	7-11	BIO 209 Physiology (4) BIO 206 Microbiology (4)
Electives		
Choose electives to reach the total of 120 credits required for graduation.		
Total Hours for BS in Biological Sciences	120	



General Education Courses

Moberly Area Community College Course	MU Equivalent	Moberly Area Community College Course	MU Equivalent
Behavioral Sciences			
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PSY 100 Interpers Relations (3)	PSYCH BEH	PSY 221 Psych of Personal Adjust (3)	PSYCH BEH
PSY 101 Gen Psychology (3)	PSYCH 1000	PSY 250 Abnormal Psych (3)	PSYCH 2510
PSY 201 Child Growth & Develop (3)	PSYCH 2410	SOC 101 Sociology (3)	SOCIOL 1000
PSY 205 Human Lifespan Develop (3)	PSYCH BEH	SOC 101H Sociology Honors (3)	SOCIOL 1000
PSY 210 Intro Social Psych (3)	PSYCH 2310	SOC 215 Social Deviance (3)	SOCIOL 1650
PSY 215 Health Psych & Bio-Feedback (3)	PSYCH BEH		
Humanities			
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ART 101 Art Surv & Apprec I (3)	AR_H_A 1110	LAL 250 Hist & Devlp Short Story (3)	ENGLISH LIT
ART 102 Art Surv & Apprec II (3)	AR_H_A 1120	LAL 251 Science Fiction (3)	ENGLISH LIT
ART 115 Cult Study in Art (3)	ART_GNRL HUM	LAL 252 Children's Lit (3)	ENGLISH LIT
DRM 115 Cult Studies Theater (3)	THEATR HUM	LAL 275 Classical Mythology (3)	CL_HUM 1060
DRM 120 Theater Appreciation (3)	THEATR 1100	MUS 101 Fund of Music (3)	MUSIC_NM 1211
GLS 201 Global Studies Sem (3)	MISC HUM	MUS 102 Music Appreciation (3)	MUSIC_NM 1310
LAL 120 Am Lit Survey to 1870 (3)	ENGLISH 2300	MUS 103 Hist of Rock n Roll (3)	MUSIC_NM HUM
LAL 121 Am Lit Survey 1870-Pres (3)	ENGLISH 2300	MUS 105 Music of America (3)	MUSIC_NM HUM
LAL 125 African-Amer Lit (3)	ENGLISH 2400	MUS 205 World Music (3)	MUSIC_NM 1313
LAL 125H Afri-Amer Lit Honors (3)	ENGLISH 2400	PHI 150 Intro to Philosophy (3)	PHIL 1000
LAL 130H Lit of the American South Honors (3)	ENGLISH LIT	PHI 150H Intro to Phil-Honors (3)	PHIL 1000
LAL 150 Eng Lit Survey to 1750 (3)	ENGLISH 2200	PHI 151 Intro to Logic (3)	PHIL 1200
LAL 151 Eng Lit 1750-Present (3)	ENGLISH 2200	PHI 152 Intro to Ethics (3)	PHIL 1100
LAL 151H Eng Lit Survey 1750-Present Hon (3)	ENGLISH 2200	PHI 153 Bioethics (3)	PHIL 1150
LAL 153 Intro Contemp Lit (3)	ENGLISH LIT	PHI 155 Intro to the Bible (3)	REL_ST HUM
LAL 210 Survey of Western Lit I (3)	ENGLISH LIT	PHI 157 War, Peace & Religion (3)	REL_ST HUM
LAL 211 Survey of West Lit II (3)	ENGLISH LIT	PHI 251 Religions of World (3)	REL_ST 2110
LAL 222 Masterpieces (3)	ENGLISH LIT	SPK 101 Public Speaking I (3)	COMMUN 1200
Social Sciences (◆=State Requirement)			
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ECN 101 Macroeconomics (3)	ECONOM 1015	HST 201 Amer Women, Amer Times (3)	HIST 2400
ECN 102 Microeconomics (3)	ECONOM 1014	HST 201H Amer Women, Amer Times-Honors (3)	HIST 2400
GEO 101 World Geog I (3)	GEOG 1200	HST 215 Amer in Vietnam (3)	HIST SSC
GEO 102 World Geog II (3)	GEOG 1100	HST 215H Amer in Vietnam-Honors (3)	HIST SSC
HST 101 Western Civ I (3)	HIST 1500	HST 220 Amer on Screen I (3)	HIST SSC
HST 102 Western Civ II (3)	HIST 1510	HST 221 Amer on Screen II (3)	HIST SSC
◆HST 105 Amer Hist to 1865 (3)	HIST 1100	HST 230H Mod British Hist-Honors (3)	HIST 1550
◆HST 105H Amer Hist to 1865-Honors (3)	HIST 1100	◆PSC 103 American Govt (5)	POL_SC 1100
◆HST 106 Amer Hist from 1865 (3)	HIST 1200	◆PSC 105 Funct & Pol Am Govt (3)	POL_SC SSC_ST
◆HST 106H Amer Hist from 1865-Honors (3)	HIST 1200	PSC 150 Internat Relations (3)	POL_SC 1400
HST 150 AfricanAmer Hist I (3)	HIST SSC	PSC 201 British Pol/Soc (3)	POL_SC SSC
HST 151 AfricanAmer Hist II (3)	HIST SSC		
Foreign Language			
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FLN 101 Elem Spanish (5)	SPAN 1100	FLN 112 Interm French (5)	FRENCH 1200
FLN 102 Interm Spanish (5)	SPAN 1200	FLN 201 Span Readings (3)	SPAN 2100
FLN 111 Elem French (5)	FRENCH 1100	FLN 211 Fren Readings (3)	FRENCH 2100