

Montgomery College Transfer Advising Page

UMCP Animal Science - Science/Preprofessional (0104E) Four Year Plan

12-2-19

“Prepares students for admission to veterinary, dental or medical schools and/or graduate school. Graduate school study can open the door to an exciting research career in specialty areas of animal or biological sciences such as genetics, nutrition, physiology or cell biology.”

UM Animal Sciences <https://agmr.umd.edu/academics/programs-study/animal-sciences>

Year 1	Fall		Spring	
		Cr.		Cr.
BOLD = Montgomery	ANSC101/103 – Must be taken at UM after transfer *	[4]	BSCI170/171 = BIOL 150 Prin. of Biology I # MC Gen Ed (GE)	4
College Course Equivalent	CHEM131/132 (NL) = CHEM 131 Principles of Chemistry I # MC GE	4	Elective = MC’s ENGL 101 applies here if taken	3
	MATH 120, 130 or 140 Calculus = MATH150 Applied or 181 Calc.I # MC GE	4	CHEM231/232 = CHEM 203 Organic Chem I	4
	ENGL101 (AW) = ENGL 102 # MC GE	3	ECON200 = ECON 202 Micro # MC GE	3
	Humanities = MC ARTD # MC GE	3	Humanities (HU) = MC HUMD # MC GE	3
	TOTAL	14	TOTAL	14
Year 2				
	ANSC204/205 – take @ UM *	[4]	ANSC212/214 take @ UM *	[4]
	CHEM241/242 = CHEM204 Orgo II	4	MC GEIR – Arts or Hum or HLTH# MC GE	3
	BSCI160/161 = BIOL 151 Prin of Biology II	4	CHEM271/272 = CHEM 132 Prin of Chem II (must take CHEM 172 @ UM after transfer)	4
	Oral Communications (OC) = COMM 108 or 112 GEIR # MC GE	3	History/Social Sciences (HS) = MC BSSD Social Science – any # MC GE	3
	PHYS121 = PHYS203 Gen. Physics I	4	PHYS122= PHYS 204 General Physics II	4
	TOTAL	15	TOTAL	17
Year 3 <i>Sample only</i>	* Students must take these ANSC courses after transfer: ANSC101/103 – 4 cr; ANSC 204/205 – 4 cr. and ANSC212/214 - 4 cr.			
	ANSC314	3	ANSC327	3
	BSCI223	4	ANSC315	3
			ENGL39x (PW)	3
	Scholarship in Practice (SP)	3	SP – Non-major	3
	ANSC Management Course	3	BCHM463 or BSCI330	3-4
	TOTAL	16	TOTAL	16
Year 4				
	ANSC Adv. Elective ⁴	3	ANSC Adv. Elective ⁴	3
	ANSC Adv. Elective	3	BIOM301 (suggested elective)	3
	Exp Learning (Opt. Gen-Ed)	1-3	Electives	6
	Elective	3		
	TOTAL	16	TOTAL	16

At Montgomery College, **enroll in MTAP – the Maryland Transfer Advantage Program** during an open enrollment period either Sept. 20 – Nov. 15 or April 20 – June 1. <https://uaapp.umd.edu/sofia/mtap> Needed ANSC courses are not offered in Summer/Winter through MTAP.

*** Required lower-level ANSC courses – 12 credits:** Although you may finish up to 60 credits in an **MC General Studies STEM AA degree at Montgomery College**, it may benefit you to transfer to UM after two or three semesters prior to completion of an AA degree to stay on track with needed Animal Sciences ANSC courses for the sophomore year. Investigate whether transferring earlier to UM may make you more competitive for admission to veterinary or dental/medical or graduate schools. **It is strongly recommended that you finish MC’s General Education Program (30 credits, courses noted with # MC GE) prior to transfer without an AA.**

- **Research pre-vet requirements at several schools** and discuss your options with UM’s Animal Science Advisors: <https://agmr.umd.edu/information-prospective-pre-vet-students>
- **Research pre-med and pre-dental advising information:** www.montgomerycollege.edu/premed
- **FIND and document EXPERIENCE opportunities while at MC prior to transfer.** > Veterinary experience > Animal experience, > Research experience, > Work experience, > Community service experience

Suggested Montgomery College Courses for Transfer to UM Animal Science – Pre-Professional Studies – See Notes Page 1* <u>GENERAL STUDIES</u> AA: 611B Science, Technology, Engineering, and Mathematics (STEM) Total Credits: 60 Catalog Edition 19-20		Updated 12-2-19	
Name:	Date:	ID #:	M
ENGL 101 or ENGL 101A (If needed for ENGL 102/103 or elective if not) *	ENGL 101 or ENGL 101A	3	
English Foundation (ENGL 102 or ENGL 103) <u>GENERAL EDUCATION FOUNDATION</u> ‡	ENGL102	3	
Math Foundation MATH 150 Elementary Applied Calculus or MATH 181 Calculus I	MATH150 / 181	4	
Arts Distribution (ARTD) <u>GENERAL EDUCATION DISTRIBUTION</u> ANY		3	
Humanities Distribution (HUMD) <u>GENERAL EDUCATION DISTRIBUTION</u> ANY		3	
Behavioral & Social Sciences Distribution (BSSD) <u>GENERAL EDUCATION DISTRIBUTION</u> **	ECON 202	3	
Behavioral & Social Sciences Distribution (BSSD) Any Different discipline BSSD <u>GED</u> **		3	
Natural Sciences Distribution with Lab (NSLD) <u>GENERAL EDUCATION DISTRIBUTION</u>	BIOL 150	4	
Second Natural Sciences Distribution (NSND/NSLD) <u>GENERAL EDUCATION DISTRIBUTION</u>	CHEM 131	4	
General Education Institutional Requirement (GEIR) <u>GENERAL EDUCATION IR</u> †	COMM 108 or 112	3	
General Education Institutional Requirement (GEIR) <u>GENERAL EDUCATION</u> Choose course from general education COMM, HLTH, or ARTD/HUMD. Students may not select two COMM, two HLTH, or two ARTD/HUMD courses to meet their General Education Institutional Requirements	Any ARTD, HUMD or HLTH	3	

MC GENERAL EDUCATION PROGRAM – Finish 30 CREDITS (BOLD) ABOVE THIS LINE ^

STEM CORE COURSE SELECTION CHOOSE AT LEAST 15 CREDIT HOURS FROM: AOSC, ASTR, BIOL, CHEM, CMSC, DATA, ENEE, ENES, GEOL, MATH, NUTR, NWIT, PSCI, or PHYS.				ELECTIVE COURSE SELECTION CHOOSE UP TO 11 CREDIT HOURS TO REACH COMPLETION OF 60 COLLEGE LEVEL CREDITS REFLECTING PERSONAL, ACADEMIC, AND CAREER INTERESTS.			
	COURSE	HOURS	GRADE		COURSE	HOURS	GRADE
	BIOL 151 PRIN OF BIOLOGY II	4					
	CHEM 132 PRIN OF CHEM II	4			CHEM 203 ORGANIC CHEM I	5	
	PHYS 203 GEN. PHYSICS I	4			CHEM 204 ORGANIC CHEM II	5	
	PHYS 204 GEN PHYSICS II	3 (4)			PHYS. 203 (4 th credit from STEM Core applies here)	1	
	TOTAL HOURS	15			TOTAL HOURS	11	

Refer to the [MC Catalog for graduation requirements for this degree.](#)

Has student completed a minimum of 15 credits at the 200 level? Yes No

200-level credits completed: _____

Has student completed the Global Perspectives requirement? Yes No

Global Perspectives Course: _____

*** READ ADVISING NOTES ON PAGE 1 for
MC Transfer to UM Animal Sciences –
Pre-Professional Curriculum (Pre-Vet, etc.)**

**FINISH MC GEN ED
PROGRAM ABOVE
PRIOR TO TRANSFER** _____

Transfer Planning Resources: UM Pre-Transfer Advising: pretransferadvising.umd.edu/
UM MTAP – Maryland Transfer Advantage Program: <https://ouaapp.umd.edu/sofia/mtap>
MC Transfer Advising for Pre-Med/Pre-Dental Students: www.montgomerycollege.edu/premed
UM Animal Sciences Website: <https://ansc.umd.edu/undergraduate>

This page is designed for MC students considering a transfer to UM College Park only; students should consult with UM directly while planning. For transfer to other schools, see ARTSYS or specific school sites for requirements.