



# Academic Advising

## Environmental Sciences and Plant Sciences



# Who we are

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# Land Resources & Environmental Sciences

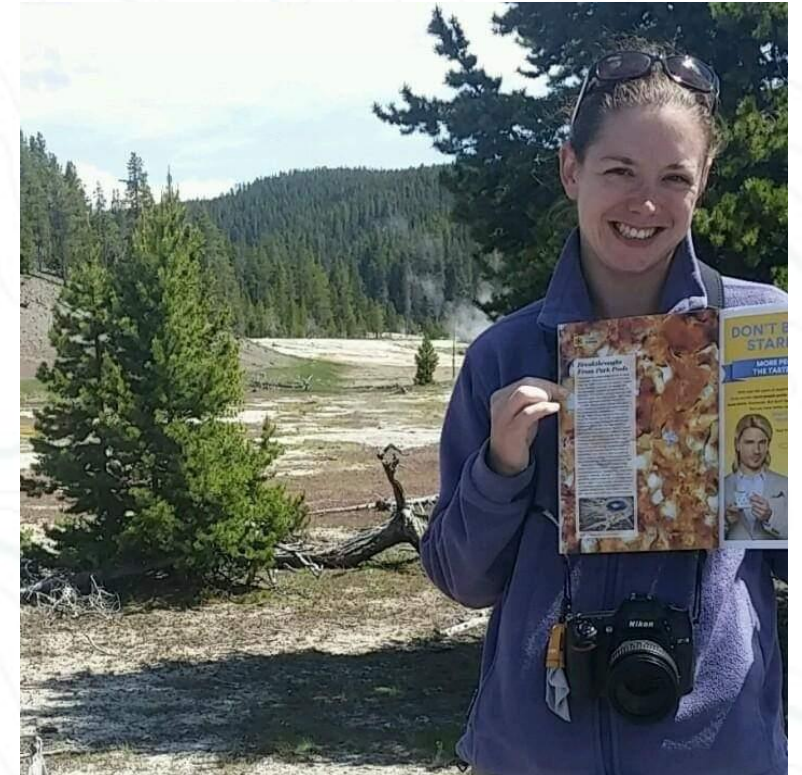
Your Student Success Coordinator

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# Environmental Science Majors and Concentrations

- Environmental Sciences
  - Environmental Sciences
  - Environmental Biology
  - Geospatial & Environmental Analysis
  - Land Rehabilitation
  - Soil and Water Sciences
- Environmental Health
- SFBS - Agroecology



# Plant Sciences & Plant Pathology

**Your Student Success Coordinator**

**Bailey Ostrum**

☎ **(406) 994-7610**

@ **Bailey.ostrum@montana.edu**

📍 **119 Plant Bioscience Building**





# Plant Science Majors and Concentrations

- Plant Science
  - Crop Science
  - Plant Biology
  - Plant Biotechnology
- Environmental Horticulture
  - Science
  - Landscape Design
- SFBS –
  - Sustainable Crop Production



# Writing

**If you have AP/Dual Enrollment/Running Start/IB credits,  
Please plan to take a US Core for Fall  
(wait on taking WRIT)**



## WRIT 080

### Level 100

ACT English/Writing: 0-15  
ACT Writing: 3-4  
SAT Writing/Language: 10-18  
Qualtrics Survey: 0-37 pts

## WRIT 011/ WRIT 101W

### Level 200

ACT English/Writing: 16-17  
ACT Writing: 5-6  
SAT Writing/Language: 19-24  
Qualtrics Survey: 38-73 pts

## WRIT 101W

### Level 300

ACT English/Writing: 18+  
ACT Writing: 7-10  
SAT Writing/Language: 25-37  
Qualtrics Survey: 74-111 pts

## Exempt from W Core\*

### Level 400

ACT Writing: 11+  
ACT English: 28+  
SAT Reading/  
Writing: 750+  
SAT Writing/  
Language: 38+

SAT Essay: 22+  
AP English  
Lang/Comp: 4  
IB English A,  
Lang/Lit HL: 3  
High School  
GPA: 3.9 +

\*If you are exempt from W Core, you may still need to take a writing course for your major; please check with your advisor

# US CORE

- US Core classes include
  - US 101US: First Year Seminar
  - CLS 101US: Knowledge and Community
  - COMX 111US: Public Speaking
  - HLD 121US: Leadership Foundations
  - LS 101ISUS: Interdisciplinary Ways of Knowing
- Honors College: HONR 201US-Texts & Critics.
  - You only need 1 class to fulfill the US Core
- You will only register for W or US Core – ***one at a time, NOT both in the same semester***



# Math Placement

Why your math placement is important....

- Ensures students register for courses that match their current skill level
- Determines where to start in major when selecting classes
- Helps identify if you're eligible to take Chemistry in your first semester
- Supports timely academic progress by guiding course selection
- Required for all students to register for classes
- Can be established through GPA, test scores, and/or placement exams (like EdReady)

- Not happy with your math placement test score? Please take the EdReady Initial math placement assessment
  - Today: 9:15-12:15 in Roberts Hall or on your own after Orientation.
- Waiting for AP test scores?
  - Register for the math course you have initially placed in. You can change courses once AP scores have been evaluated.
- If you have dual-enrollment transcripts already received by MSU but not factored into your math placement.
  - Work with the math department during registration (Wednesday morning) to register for a higher-level math course.



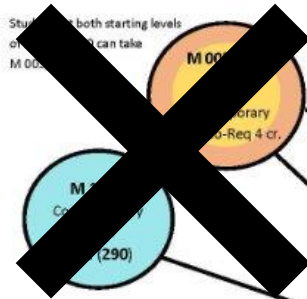
# Math Requirements

Art, Humanities, & Some Social Sciences

STEM Course Eligibility Based on Math

STEM, Business, Health, & Some Social Sciences

Students at both starting levels  
on this side of the chart can take  
M 005



This side of the chart does not prepare students who require calculus, physics, or chemistry. Those students should use the right side of the chart to determine placement. For questions, talk with your academic advisor.

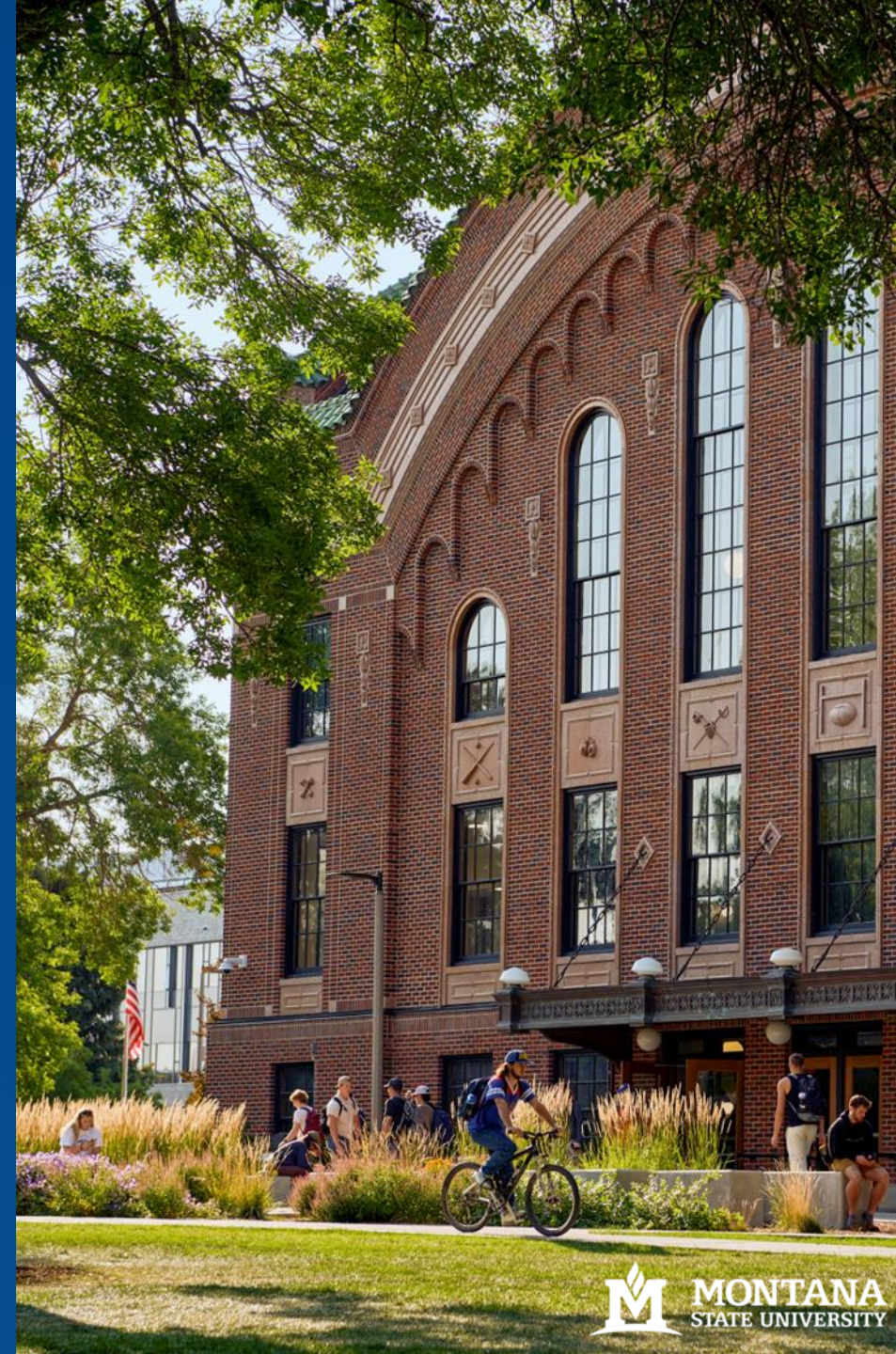
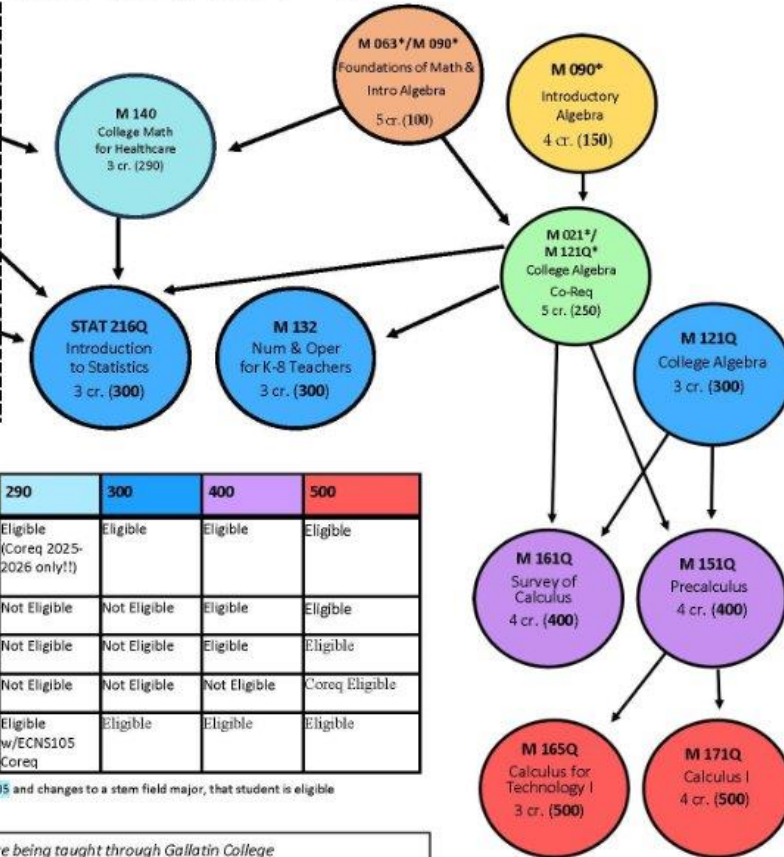
What is my starting level?

COURSE	100	150	250	290	300	400	500
CHMY 121+122IN	Not Eligible	Not Eligible	Eligible (2025-2026 only if passed M090!!)	Eligible (Coreq 2025- 2026 only!!)	Eligible	Eligible	Eligible
CHMY 141+142	Not Eligible	Not Eligible	Not Eligible	Not Eligible	Not Eligible	Eligible	Eligible
PHSX 205	Not Eligible	Not Eligible	Not Eligible	Not Eligible	Not Eligible	Eligible	Eligible
PHSX 220	Not Eligible	Not Eligible	Not Eligible	Not Eligible	Not Eligible	Not Eligible	Coreq Eligible
ECNS 101IS	Eligible w/ECNS105 Coreq	Eligible w/ECNS105 Coreq	Eligible w/ECNS105 Coreq	Eligible w/ECNS105 Coreq	Eligible	Eligible	Eligible

Revised: 3/12/2025

If a student took M 005/M 105 or M 105 and changes to a stem field major, that student is eligible to take M 021/M 121.

\* Indicates courses within this math level are being taught through Gallatin College.





# Need to reach 15 credits or want to explore?

- **ACT** class (1cr classes)
  - yoga, circuit training, or bowling
- **AGSC 101:** Introduction to Agricultural and Environmental Resources (1cr Fall only)
  - Introduction to the different Ag. Departments and some study/college skills
- **WILD 201:** Introduction to Fish and Wildlife (1cr, Fall only)
  - Introduction to the different careers and pathways within Fish and Wildlife
- **BIOM 101:** Careers in Microbiology (1cr, Fall only)
  - Introduction to different careers and pathways within Microbiology
- **BIOB 105CS:** Introduction to Biotechnology (3cr, Fall only)
  - Intro to biotechnology as a lecture series
- **BIOB 100:** Organism Function (3cr)
  - Examine biological origins and diversity of life. Topics include form, function, adaptation, biomes, photosynthesis, nutrition, immunity, biodiversity, and ecological relationships.
- **ECHM 205:** Energy and Sustainability (3cr)
  - Introduction to renewable and non-renewable energy sources and energy conversion systems. Students will formulate strategies to address energy-related issues. Taught by engineering faculty.





# University Core

## General Education Requirements

CORE	CODE	COURSE	CREDITS
University Seminar	US	You choose!	3
Writing	W	WRIT 101W – College Writing I	3
Quantitative Reasoning	Q	M 121Q, M 161Q or STAT 216Q	3-4
Diversity	D	You choose!	3
Arts	IA/RA	You choose!	3
Humanities	IH/RH	You Choose!	3
Social Sciences	IS	You Choose!	3
Natural Science Inquiry or Natural Science Research	IN/RN	Chemistry and Biology or Soils	3-4
Contemporary Issues in Science	CS	*Covered by multiple IN or other sciences	3
Research	R	Covered by major	3



# First-semester classes based on Math placement (LRES)

START HERE	Land Resource & Environmental Sciences Department		Target: 15 credits	START HERE
	Environmental Sciences Major			
	Options (Concentrations)			
	·Environmental Sciences (General) ·Environmental Biology ·Geospatial & Environmental Analysis ·Land Rehabilitation ·Soil & Water Science			
	Suggested Major Courses *if math <b>level 300</b> * (plan to take all)		Suggested Major Courses *if math <b>level 400 - 500</b> * (plan to take all)	
	M 121Q College Algebra (3cr)		CHMY 141/142 College Chemistry (4 cr)	
	BIOB 170IN Principle of Biological Diversity (4cr)		BIOB 170IN Principle of Biological Diversity (4cr)	
	ENSC 110 Land Resources and Environmental Sciences (3cr)		ENSC 110 Land Resources and Environmental Sciences (3cr)	
	<b>Math Courses *if <u>under</u> level 300*</b>		<b>Math Courses *if <u>under</u> level 400*</b>	
	<b>Level 100</b> take M 063/M090 <b>Level 150</b> take M 090 <b>Level 250</b> take M 021/M121		<b>Level 100</b> take M 063/M090 <b>Level 150</b> take M 090 <b>Level 250</b> take M 021/M121 <b>Level 300</b> M 121Q	
			Math Courses <b>*if level 400 - 500*</b>	
			Don't enroll in math just yet	
	WRIT (Writing) or US (University Seminar) - (choose one)			
	<u>Writing Based on Placement:</u> WRIT 101W College Writing (3 cr) <b>OR</b> WRIT 001/101W College Writing with corequisite support (5 cr) <b>OR</b> University Seminar (US) (3cr)  *If you are exempt from W Core, you may still need to take a writing course for your major; please check with your advisor*			
	CORE Courses (optional if needing more credits)		CORE Courses (optional if needing more credits)	
	Humanities (IH) or Diversity (D) or Arts (IA/RA)		Humanities (IH) or Diversity (D)	
	It is recommended to select a few backup courses in case of full classes or scheduling conflicts.			
	If <b>AP</b> credits or <b>exemptions</b> are considered, or if needing more credits (choose <u>one</u> ) AGSC 101 <b>OR</b> BIOM 210 <b>OR</b> PHSX 205 <b>OR</b> STAT 216Q			



# First-semester classes based on Math placement (PSPP)

START HERE	Department of Plant Sciences & Plant Pathology Department			Target: 15 credits	STAR HERE
	Plant Science Major		Environmental Horticulture Science Major		
	Options (Concentrations)		Options (Concentrations)		
	Crop Science	Plant Biology	Horticulture Science	Environmental Horticulture Science Landscape Design	
	Suggested Major Courses *if math <b>level 300 - 400 - 500</b> * (plan to take all)	Suggested Major Courses *if math <b>level 400 - 500</b> * (plan to take all)	Suggested Major Courses *if math <b>level 300 - 400 - 500</b> * (plan to take all)	Suggested Major Courses *if math level <b>300 - 400 - 500</b> * (plan to take all)	
	CHMY 121IN/122IN Intro to General Chemistry (4 cr)	CHMY 141 & CHMY 142 College Chemistry (4cr)	CHMY 121IN/122IN Intro to General Chemistry (4 cr)	BIOB 170IN Principle of Biological Diversity (4cr)	
	BIOB 170IN Principle of Biological Diversity (4cr)	BIOB 170IN Principle of Biological Diversity (4cr)	BIOB 170IN Principle of Biological Diversity (4cr)	HORT 105 Intro. to Horticulture (3cr)	
			HORT 105 Intro. to Horticulture (3cr)	ARCH 151RA Design Fundamentals I (4cr)	
			AGSC 101 Intro to Agriculture and Natural Resource (1cr)		
	Math Courses *if <u>under</u> level 300*	Math Courses *if <u>under</u> level 400*	Math Courses *if <u>under</u> level 300*	Math Courses *if <u>under</u> level 300*	
	Level 100 take M 063/M090 Level 150 take M 090 Level 250 take M 021/M121	Level 100 take M 063/M090 Level 150 take M 090 Level 250 take M 021/M121 Level 300 take M121Q	Level 100 take M 063/M090 Level 150 take M 090 Level 250 take M 021/M121	Level 100 take M 063/M090 Level 150 take M 090 Level 250 take M 021/M121	
	Math Courses *if level 300 - 400 - 500*	Math Courses *if level 400 - 500*	Math Courses *if level 300 - 400 - 500*	Math Courses *if level 300 - 400 - 500*	
	Don't enroll in math just yet	M 161Q Survey of Calculus (4cr)	Don't enroll in math just yet	Don't enroll in math just yet	
	WRIT (Writing) or US (University Seminar) - (choose one)				
	Writing Based on Placement: WRIT 101W College Writing (3 cr) OR Any US Core (3cr)	Writing Based on Placement: WRIT 101W College Writing (3 cr) OR CLS 101US (3cr) OR COMX 111US (3cr)	Writing Based on Placement: WRIT 101W College Writing (3 cr) OR Any US Core	Writing Based on Placement: WRIT 101W College Writing (3 cr) OR Any US Core	
	*If you are exempt from W Core, you may still need to take a writing course for your major; please check with your advisor*				
	CORE Courses (choose one)	CORE Courses (choose one)	CORE Courses (optional if needing more credits)	CORE Courses (optional if needing more credits)	
	Humanities (IH) or Diversity (D) or Arts (IA/RA)	Humanities (IH) or Diversity (D) or Arts (IA/RA)	Humanities (IH) or Diversity (D)	Humanities (IH) or Diversity (D)	
	It is recommended to select a few backup courses in case of full classes or scheduling conflicts.				
	Highly Recommended AGSC 101 Introduction to Agriculture and Natural Resources (1cr) OR WRIT 001 Co-Req Support for WRIT 101W (2cr)		Highly Recommended WRIT 001 Co-Req Support for WRIT 101W (2cr)	Highly Recommended WRIT 001 Co-Req Support for WRIT 101W (2cr)	
	If AP credits or exemptions are considered (choose one) ECNS 101IS OR STAT 216Q OR CHMY 123IN OR WRIT 221	If AP credits or exemptions are considered (choose one) ECNS 101IS OR ARTS (IA) OR Diversity (D) OR Humanities (H) OR STAT 216Q	If AP credits or exemptions (choose one) ECNS 101IS OR STAT 216Q OR WRIT 221	If AP credits or exemptions (choose one) ECNS 101IS OR STAT 216Q OR WRIT 221	



# Before you leave....

- Have all your questions been answered
- Choose 2-3 specific CORE courses (planned backup classes)
- Have your plan checked by an advisor and take a picture
- Returned your Academic Planning Worksheet
- ***You're all done – you did great!***



