



# College of Letters and Science

**CLS Academic Advising Center**

**Wilson hall 1-106 & 1-155**

**[Alexandra.reynolds1@montana.edu](mailto:Alexandra.reynolds1@montana.edu)**

**406-994-4252**







# orientation

**MONTANA**  
STATE UNIVERSITY

— BOZEMAN • MONTANA —

## Earth Sciences

**Alex Reynolds & Kat Morrison**  
**Academic Advisors**



# Advisor Availability Fall 2025

CLS Advising Center

Monday-Friday

8:00 AM-5:00 PM

By appointment, schedule via NavMSU

Drop-in hours: 10:00-11:00 AM, 3:00-4:00 PM



# Academic Advisors

- Our goal is to assist with...
  - Developing your academic goals
  - Understanding curricula and policies
  - Academic planning
  - Building connections with student support resources
    - Clubs, tutoring, faculty, department opportunities



# Student Responsibilities

**What do you need to be aware of as the student?**

# Student Responsibilities

- DegreeWorks and MyInfo
  - Familiarize yourself with your DegreeWorks and MyInfo accounts to understand your progress toward graduation.
- Deadlines
  - Understand important deadlines for each semester – last day to drop/add classes, refund schedule, withdrawal schedule.
- Registration and Advising
  - To register for classes each semester, you'll need to meet with your assigned academic advisor to choose classes and receive your registration pin.
- Speak up
  - If anything is confusing or does not sound right, please make sure to ask. We are always here to help and answer questions.

# Things to Consider

## Scholarships

- If you have a scholarship, be sure to understand the requirements. Most scholarships require students to attempt 30 credits per year.

## Timeline

- 15 credits per semester is ideal for students to graduate on a 4-year timeline.
- Do not exceed 5 classes this Fall. If you feel that 5 classes is too much, come speak with an advisor.





# Advisor Responsibilities

**What are my responsibilities as an academic advisor?**





# Advisor Responsibilities

"Academic advising at MSU is a collaborative process between students, faculty, and professional advisors designed to empower students to discover who they are as learners, where their academic interests lie, and how their University experience will shape their lives."

Engage in the advising process.

Be knowledgeable about academic policies, procedures, and deadlines.

Facilitate student understanding of policies and major requirements

Maintain student confidentiality.

Hold advising hours by drop-in or appointment, assist with registration, and follow up on appointments.




# Fall 2025 Classes – Online Tools

- My Info
  - Where all your important information lives!
- DegreeWorks (MyInfo --> Student Services)
  - Your Degree Auditing Software
- CatCourse (MyInfo --> Student Services --> Registration)
  - Course Registration Software
- Where do you find your confirmed final schedule?
  - "Student Schedule by Day and Time" (MyInfo --> Student Services --> Registration)



# DegreeWorks

MSU SCHEDULE OF CL... DOCUSIGN WEBEX EMAIL-OUTLOOK Department of Ec... BANNER EXCEL navMSU ADVISOR TOOLKIT AP BDM Adding/dropping i...



DegreeWorks

Back to MyInfo

Help & FAQ

Print

Exit

Find Student ID -02479117 Name Bobcat, Champ The Degree BS Major Civil Engineering Level UG Classification Freshman Attribute Last Audit 07/13/2023 Last Refresh 07/13/2023 at 10:52 pm

Worksheets Plans Notes GPA Calc

Worksheets Format: Student View View Save as PDF Process New Include in-progress classes Include preregistered classes Classes by Term

What If Look Ahead

Legend

- Complete Complete except for classes in-progress
- Nearly complete - see advisor
- Not Complete Prerequisite Required Any course number

Student View AD647VPK as of 07/13/2023 at 12:33

Student	Bobcat, Champ The	Level	Undergraduate - Semester
Confidential Record		Degree	Bachelor of Science
ID	-02479117	College	College of Engineering
Classification	Freshman	Major	Civil Engineering
Advisor	Campeau, Antoni A	Minor	
Overall GPA	0.00	More Info	Placement Data
Registration Hold		Academic Standing	
Registration PIN/Date		Student Phone	(406) 3709709
Graduation Application Status			

Degree in Bachelor of Science Catalog Year: 2022-2023

Unmet conditions for this set of requirements: A minimum of 30 credits must be taken through MSU-Bozeman, you currently have 1 but need 29 more. 23 of the last 30 credits must be taken through MSU-Bozeman.

128 Credits required Still Needed: 128 credits are required. You have 4 credits in-progress or completed. You must successfully complete these and at least 124 more credits.

42 Upper-Division Credits Required Still Needed: 42 credits of upper-division courses are required. You have 0 credits in-progress or completed You must successfully complete these and at least 42 more upper-division credits.

Your Upper Division Credits and/or Total Credits requirement may not be satisfied, even with a Green Checkbox. They display assuming successful completion of your in progress coursework. You can uncheck 'Include in-progress classes' and 'Include preregistered classes' for an accurate representation of your current status. Additionally, if you are repeating a course you should contact the Office of the Registrar to verify your total credits.

You have no MSU credits for GPA calculation

CORE 2.0 Still Needed: See CORE 2.0 section

Major Requirements Still Needed: See Major in Civil Engineering section

CORE 2.0 Catalog Year: 2022-2023

Check your Major Block for requirements that also fulfill CORE 2.0 requirements


University Seminar (US) Still Needed: 1 Class in @ @ with Attribute US

College Writing (W) Still Needed: 1 Class in @ @ with Attribute W

Quantitative Reasoning (Q) MATH 121Q Satisfied by Algebra I MATH101 - Algebra I - West High School Tech Prep TA 3 2016 Summer

Diversity (D) Still Needed: 1 Class in @ @ with Attribute D

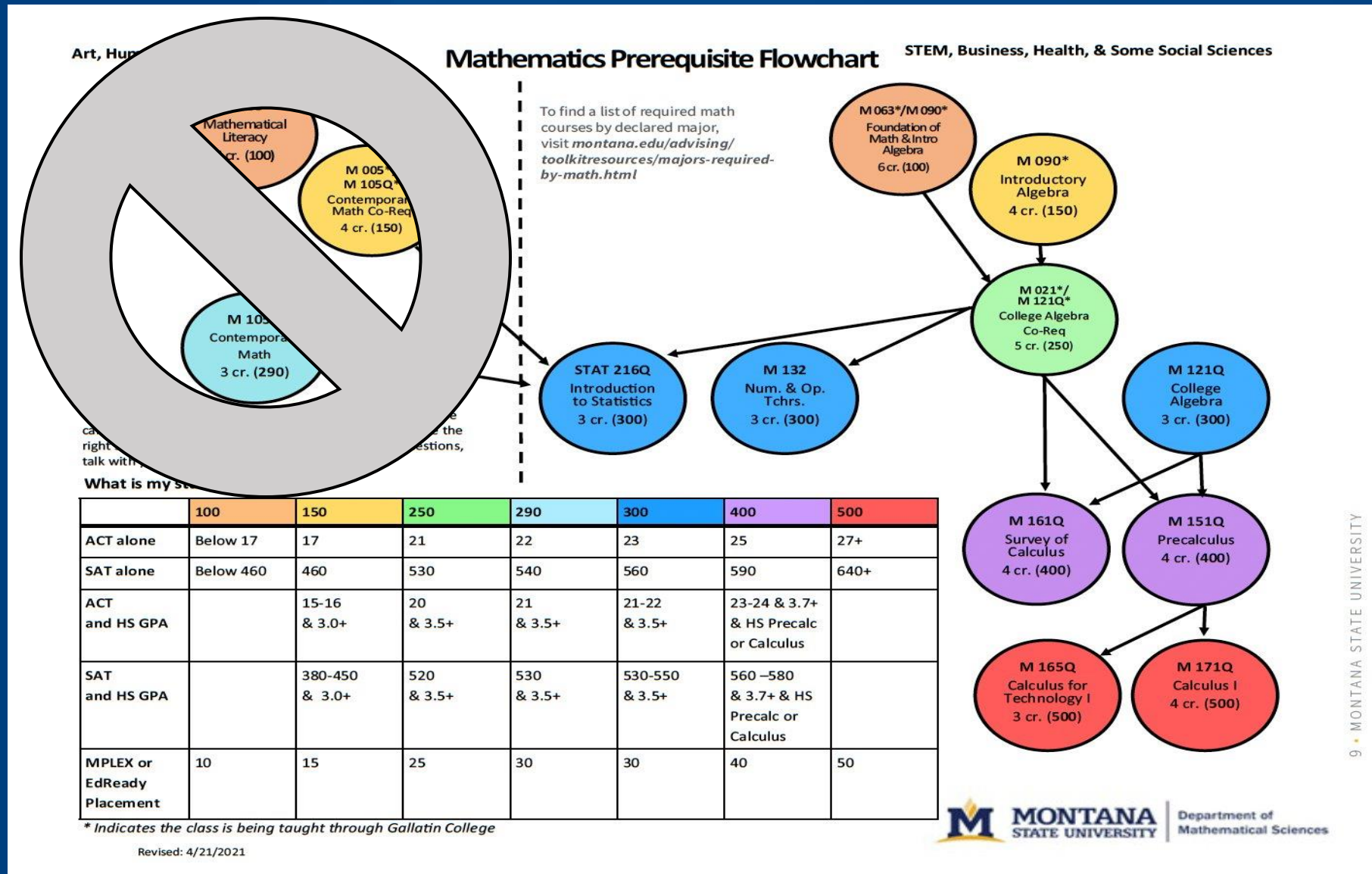
Contemp Issues & Inquiry Nat Sci or Permitted Subs Still Needed: Choose from 1 of the following:



MONTANA  
STATE UNIVERSITY



# Math Flowchart



# Math Placement Level – Math Course

<b>Level 500</b>	<b>Calculus I</b>	<b>M171Q</b>
<b>Level 450</b>	<b>Calculus I + Trigonometry</b>	<b>M171Q + M170</b>
<b>Level 400</b>	<b>Pre-Calculus</b>	<b>M151Q</b>
<b>Level 300</b>	<b>College Algebra/ Statistics</b>	<b>M121Q/ STATS 216Q</b>

<b>Level 250 or 290</b>	<b>College Algebra +</b>	<b>M121Q +M 021</b>
<b>Level 150</b>	<b>Intro to Algebra</b>	<b>M 090</b>
<b>Level 100</b>	<b>Foundation of Math + Intro Algebra</b>	<b>M 063 + M 090</b>





# Earth Science

**Geology, Paleontology, Snow Science, Geography, & Geographic Information Science (GIS)/Planning // (Minors: GIS, Water Resources, Earth Science Teaching)**

**226 Traphagen**

**Department Head: Dr. David Varricchio**

**Academic Services Coordinator: Claudia Albrecht**

**406-994-3331**





# Meet your Advisors



- Alexandra Reynolds
- [Alexandra.reynolds1@montana.edu](mailto:Alexandra.reynolds1@montana.edu)
- 406-994-4254
- Wilson Hall 1-155



- Cole Henry
- [Cole.henry@montana.edu](mailto:Cole.henry@montana.edu)
- 406-994-4202
- Wilson Hall 1-106



# Info All Earth Science Students Need to Know

- 120 credits to earn your Bachelor of Science (BS)
- To maintain 4-year graduation timeline, students must successfully complete 15 credits/semester (or 30 credits per academic year)
- 15 credits/semester may be required for certain scholarships
- Each semester will include a mix of CORE, major, elective, and/or pre-requisite courses.
- 12 credits is the minimum for full-time standing, tuition remains the same at 12+ credits.
- Many 300-400 level courses are taught once a year or every other year. Therefore, after completing the required 100-200 level courses, students are encouraged to take 300 level beginning their sophomore year. Many 300 level courses are prerequisites for 400 level.

# Math Options for Earth Sciences

## Option 1

- M171
  - Prerequisite: M 151Q or Math level 500
- M 172
  - Prerequisite: M 171Q
- STAT 332
  - Prerequisite: M172

## Option 2

- M 161
- STAT 216
  - Prerequisite: Math level 300, or a C- or better in any 100 level or above M course
- STAT 337
  - Prerequisite: STAT 216Q or STAT 332



# Paleontology Option

- **Recommendation is to take more statistic classes for this major.**

<b>Math Level 500 (15 credits)</b> EARTH 101IN M 171Q or M 161Q CHMY 141/142 US CORE or WRIT 101W	<b>Math Level 250/290 (16 credits)</b> EARTH 101IN BIOB 170IN M 121Q + M 021 (5 cr) US CORE or WRIT 101W
<b>Math Level 400 (15 credits)</b> EARTH 101IN M 151Q or M 161Q CHMY 141/142 US CORE or WRIT 101W	<b>Math Level 150 (15 credits)</b> EARTH 101IN BIOB 170IN M 090 US CORE or WRIT 101W
<b>Math Level 300 (15 credits)</b> EARTH 101IN M 121Q BIOB 170IN US CORE or WRIT 101W	<b>Math Level 100 (16 credits)</b> EARTH 101IN BIOB 170IN M 063 + M 090 (5 cr) US CORE or WRIT 101W

# Snow Science Option

- **Students need STAT216 + STAT 337 (NOT STAT 332), STAT 411 REQUIRED;**
  - **M 151 does not substitute for M 161**

## **Math Level 500 (14 credits)**

ERTH 101IN  
M 171Q or M 161Q  
GPHY 141D  
US CORE or WRIT 101W

## **Math Level 400 (14 credits)**

ERTH 101IN  
M 151Q or M 161Q  
GPHY 141D  
US CORE or WRIT 101W

## **Math Level 300 (14 credits)**

ERTH 101IN  
M 121Q  
GPHY 141D  
US CORE or WRIT 101W

## **Math Level 250/290 (15 credits)**

ERTH 101IN  
GPHY 141D  
M 121Q + M 021 (5 cr)  
US CORE or WRIT 101W

## **Math Level 150 (14 credits)**

ERTH 101IN  
GPHY 141D  
M 090  
US CORE or WRIT 101W

## **Math Level 100 (15 credits)**

ERTH 101IN  
GPHY 141D  
M 063 + M 090 (5 cr)  
US CORE or WRIT 101W



# Geology Option

<b>Math Level 500 (15 credits)</b> ERTH 101IN M 171Q or M 161Q CHMY 141/142 US CORE or WRIT 101W	<b>Math Level 250/290 (15 credits)</b> ERTH 101IN M 121Q + M 021 (5 cr) US CORE or WRIT 101W CORE: IA, D, IH, IS
<b>Math Level 400 (15 credits)</b> ERTH 101IN M 151Q or M 161Q CHMY 141/142 US CORE or WRIT 101W	<b>Math Level 150 (16 credits)</b> ERTH 101IN M 090 US CORE or WRIT 101W 2 CORE Options: IA, D, IH, IS
<b>Math Level 300 (16 credits)</b> ERTH 101IN M 121Q or STAT 216Q US CORE or WRIT 101W 2 CORE Options: IA, D, IH, IS	<b>Math Level 100 (15 credits)</b> ERTH 101IN M 063 + M 090 (5 cr) US CORE or WRIT 101W CORE: IA, D, IH, IS

# Geography Option

- Human Geography Emphasis
- Physical Geography Emphasis

<b>Math Level 500 (16 credits)</b> ERTH 101IN STAT 216Q GPHY 141D US CORE or WRIT 101W CORE: IA, IH, IS, CS	<b>Math Level 250/290 (15 credits)</b> ERTH 101IN M 121Q + M 021 (5 cr) GPHY 141D US CORE or WRIT 101W
<b>Math Level 400 (16 credits)</b> ERTH 101IN STAT 216Q GPHY 141D US CORE or WRIT 101W CORE: IA, IH, IS, CS	<b>Math Level 150 (14 credits)</b> ERTH 101IN M 090 GPHY 141D US CORE or WRIT 101W
<b>Math Level 300 (16 credits)</b> ERTH 101IN GPHY 141D STAT 216Q US CORE or WRIT 101W CORE: IA, IH, IS, CS	<b>Math Level 100 (15 credits)</b> ERTH 101IN M 063 + M 090 (5 cr) GPHY 141D US CORE or WRIT 101W



# Geographic Information Science (GIS) / Planning Option

<b>Math Level 500 (16 credits)</b> EARTH 101IN STAT 216Q GPHY 141D US CORE or WRIT 101W CORE: IA, IH, IS, CS	<b>Math Level 250/290 (15 credits)</b> EARTH 101IN M 121Q + M 021 (5 cr) GPHY 141D US CORE or WRIT 101W
<b>Math Level 400 (16 credits)</b> EARTH 101IN STAT 216Q GPHY 141D US CORE or WRIT 101W CORE: IA, IH, IS, CS	<b>Math Level 150 (14 credits)</b> EARTH 101IN M 090 GPHY 141D US CORE or WRIT 101W
<b>Math Level 300 (16 credits)</b> EARTH 101IN GPHY 141D STAT 216Q US CORE or WRIT 101W CORE: IA, IH, IS, CS	<b>Math Level 100 (15 credits)</b> EARTH 101IN M 063 + M 090 (5 cr) GPHY 141D US CORE or WRIT 101W