



orientation

MONTANA
STATE UNIVERSITY

— BOZEMAN • MONTANA —

Physics

Alex Reynolds

Academic Advisor – Advising Team Lead





Department of Physics

Alex Reynolds – Academic Advisor - 1st & 2nd Years

Dr. John Neumeier – Department Head

Maggie Shaw – Academic Services Coordinator

Barnard Hall 264, Main Office

406-994-3614



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. Familiarize yourself with your major and its requirements prior to each advising session. Be prepared!
- 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. Each scholarship has specific GPA requirements as well.

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 not 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.

Info All Physics Students Need to Know

- 120 total credits to earn your Bachelor of Science (BS)
- 42 Upper Division courses required (300 and up), included in the 120.
- To maintain 4-year graduation timeline, students must successfully complete 15 credits per semester (or 30 credits per academic year).
- 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.
- Grade of C- or better is required for Physics major.



Let's Start Building Your Schedule!

- Understand your math placement
 - Level 500, 400, 300, 250, 150, 100
- Understand your writing placement
 - Level 400, 300, 200, 100
- Expecting college credit??
 - Please show us your transcripts if necessary
- Expecting AP credit??
 - AP score of 4+ is required to receive credit for Calculus 1.

Fall Orientation Advising Session

Name:	GID:	Major:
Student Email:		Student Phone:

Additional Information: Circle any that apply to you	
ROTC	Scholarship
Residency	Financial Aid
Student Athlete	Part-Time Job
Student Club:	Other:

Incoming AP, College-Level Transfer Credit, Dual Enrollment	

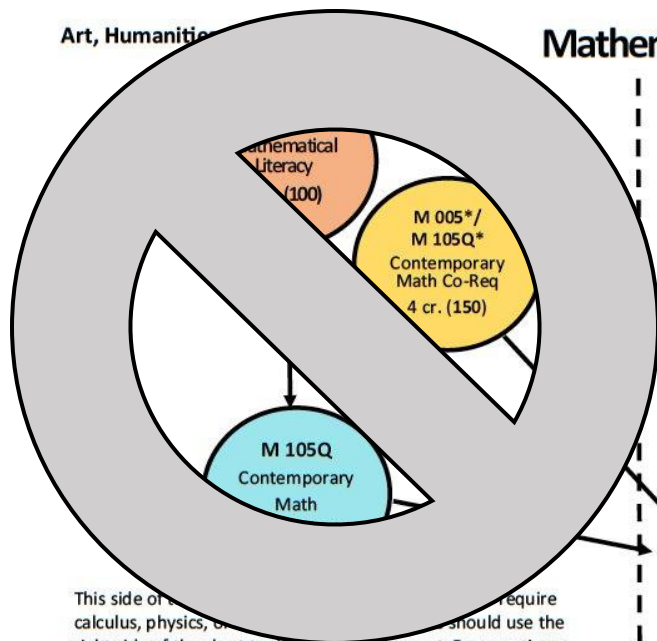
**Need more space? Write on the back*

Fall Course Selection (14-16 credits):

Subject	Number	Course Title	Credits
Ex: WRIT	101W	College Writing	3

Advisor Notes:

Mathematics Prerequisite Flowchart



To find a list of required math courses by declared major, visit montana.edu/advising/toolkitresources/majors-required-by-math.html

This side of the chart is for majors that require calculus, physics, or other STEM courses. You should use the right side of the chart to determine placement. For questions, talk with your academic advisor.

What is my starting level?

	100	150	250	290	300	400	500
ACT alone	Below 17	17	21	22	23	25	27+
SAT alone	Below 460	460	530	540	560	590	640+
ACT and HS GPA		15-16 & 3.0+	20 & 3.5+	21 & 3.5+	21-22 & 3.5+	23-24 & 3.7+ & HS Precalc or Calculus	
SAT and HS GPA		380-450 & 3.0+	520 & 3.5+	530 & 3.5+	530-550 & 3.5+	560-580 & 3.7+ & HS Precalc or Calculus	
MPLEX or EdReady Placement	10	15	25	30	30	40	50

* Indicates the class is being taught through Gallatin College

Revised: 4/21/2021

STAT 216Q
Introduction to Statistics
3 cr. (300)

M 132
Num. & Op. Tchr.
3 cr. (300)

M 063*/M 090*
Foundation of Math & Intro Algebra
6 cr. (100)

M 090*
Introductory Algebra
4 cr. (150)

M 021*/M 121Q*
College Algebra Co-Req
5 cr. (250)

M 121Q
College Algebra
3 cr. (300)

M 161Q
Survey of Calculus
4 cr. (400)

M 151Q
Precalculus
4 cr. (400)

M 165Q
Calculus for Technology I
3 cr. (500)

M 171Q
Calculus I
4 cr. (500)



Physics: Professional, Astrophysics, & Interdisciplinary Options

Math Level 500 (14 or 15 credits)

- M 171Q: Calculus 1
- PHSX 240: Honors Physics
- US or WRIT 101
- CORE Class

Math Level 400 (15 or 16 credits)

- M 151Q: Pre-Calculus
- US or WRIT 101
- CORE CLASS
- CORE CLASS
- CORE CLASS

Math Level 300 (15 or 16 credits)

- M 121Q: College Algebra
- US or WRIT 101
- CORE CLASS
- CORE CLASS
- CORE CLASS

CORE CLASS SELECTIONS: ARTS (IA), HUMANITIES (IH), SOCIAL SCIENCES (IS), WRITING (W), UNIVERSITY SEMINAR (US)

Physics: Teaching Option

Math Level 500 (14 or 15 credits)

- M 171Q: Calculus 1
- PHSX 240: Honors Physics
- US or WRIT 101
- HDFS 101IS

Math Level 400 (15 or 16 credits)

- M 151Q: Pre-Calculus
- US or WRIT 101
- HDFS 101IS
- CORE CLASS
- CORE CLASS

Math Level 300 (15 or 16 credits)

- M 121Q: College Algebra
- US or WRIT 101
- HDFS 101IS
- CORE CLASS
- CORE CLASS

CORE CLASS SELECTIONS: ARTS (IA), HUMANITIES (IH), SOCIAL SCIENCES (IS), WRITING (W), UNIVERSITY SEMINAR (US)

Before You Leave:

- Have ALL your questions answered
- Have your plan checked and approved by an advisor
- Take a picture of your advising sheet with the courses you selected

**Extra Advising Help Times
During Orientation in
Wilson Hall 1-106!**

Wednesday 9:00 am – 4:30 pm



Questions?

Contact information:

- **Alex Reynolds – Academic Advising**
406-994-4254
Wilson Hall 1-155
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