# Bachelor of Arts in Physics

This is an example of a four year graduation plan for a degree in Physics. Students should meet with an academic advisor prior to registration to formulate their own plan.

## University of Montana - Four-Year Academic Plan 2023-2024

### College of Humanities and Sciences

This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Fall</strong></td>
</tr>
<tr>
<td>PHSX 215N/216N - Fund of Physics w/Calc I /Lab</td>
<td>PHSX 311 - Oscillations &amp; Wave</td>
<td>PHSX 461 - Quantum Mechanics I</td>
<td>PHSX 323 - Intermediate Physics Lab</td>
</tr>
<tr>
<td>M 171 - Calculus I</td>
<td>PHSX 343 - Modern Physics</td>
<td>M 274 - Intro to Diff Equations</td>
<td>PHSX 423 - Electricity &amp; Magnetism I</td>
</tr>
<tr>
<td>PHSX 101 - Freshman Physics Experience</td>
<td>M 273 - Multivariable Calculus</td>
<td>PHSX 389 - Research Initiation</td>
<td>PHSX 499 - Senior Capstone</td>
</tr>
<tr>
<td>WRIT 101 - College Writing</td>
<td>Elective</td>
<td>General Education Requirement</td>
<td>General Education Requirement</td>
</tr>
<tr>
<td>CSCI 150 Fund of Computer Science</td>
<td>PHSX or General Elective</td>
<td>PHSX Elective</td>
<td></td>
</tr>
</tbody>
</table>

| Credits | 16 | 16 | 16 |

<table>
<thead>
<tr>
<th><strong>Spring</strong></th>
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<th><strong>Spring</strong></th>
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</thead>
<tbody>
<tr>
<td>PHSX 217N/218N - Fund of Physics w/Calc II /Lab</td>
<td>PHSX 301 - Intro Theoretical Physics</td>
<td>PHSX 462 - Quantum Mechanics II or PHSX 446 - Thermo &amp; Stat Mech</td>
</tr>
<tr>
<td>M 172 - Calculus II</td>
<td>PHSX 320 - Classical Mechanics</td>
<td>PHSX 330 - Communicating Physics</td>
</tr>
<tr>
<td>CSCI 151 - Fund of Computer Science I</td>
<td>M 221 - Introduction to Linear Algebra</td>
<td>PHSX or General Elective</td>
</tr>
<tr>
<td>General Education Requirement</td>
<td>Elective</td>
<td>General Education Requirement</td>
</tr>
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</tbody>
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| Credits | 15 | 15 | 15 |

<table>
<thead>
<tr>
<th><strong>Summer</strong></th>
<th><strong>Summer</strong></th>
<th><strong>Summer</strong></th>
</tr>
</thead>
</table>

| Credits | 0 | 0 | 0 |

| Total Credits | 31 | 62 | 93 |

**Notes:**
See catalog or Advising Office for more details.

Rev 9/23
Discover how your strengths, values, and interests relate to career and education pathways.

- Take the Strong Interest Inventory or other career assessments to see what careers may be a good fit for you.*
- Download the Handshake app and activate your account to explore jobs.*
- Attend "careers and opportunities" fairs and join a First Time at the Fair tour.*
- Join student groups that align with your interests.*
- Explore career options at What Can I Do With This Major? (click on "Major Exploration").*
- Learn about specific occupations on O*Net Online
- Schedule an appointment for Career Planning and Major Exploration

EXPLORE
Pathways for you

EXPAND
and Grow

ELEVATE
to Your Career

EMBRACE
Your Goals

Participate in experiential (hands-on) learning to refine your interests and goals.

- Seek and apply for internships or part-time jobs on Handshake.*
- Participate in Volunteer Programs.*
- Consider studying abroad or at another US university for a semester or year.*
- Consider an internship abroad.*
- Conduct undergraduate research at UM.*
  - Secure a paid micro-internship
  - Participate in the Griz Career Skills Program
  - Schedule an appointment for Internship Search, International Internship Search, National Student Exchange, Job Search Strategies, and Handshake How-To

- Strengthen relationships with faculty and supervisors who can guide and recommend you.*
- Connect with alumni in fields or companies of interest through the Griz Career Network
  - Expand your network to gain insights and support through LinkedIn
- Conduct career conversations with professionals in fields of interest
- Gain industry and company-specific skills through free Forage job simulations
- Schedule an appointment to discuss Networking Strategies, LinkedIn, Graduate School Planning

Refine your personal brand and develop stand-out application materials to achieve your goals

- Meet employers at career fairs and events.*
- Develop a stellar resume and cover letter.*
- Practice interview skills
- Learn how to negotiate your salary and benefits package
- Fine-tune your LinkedIn profile
- Apply for jobs, graduate/professional school, or national service
- Schedule an appointment for Resume, Cover letter, Interview Prep, Personal Statement, LinkedIn, Graduate School Planning

YOUR CAREER SUPPORT OFFICES AT UM

Experiential Learning & Career Success (ELCS) is for all UM students!

Students in the following Schools and Colleges have additional access to the following career services:

- College of Business Career Development Center
- Davidson Honors College Career Development Program
- Career Trailhead professional readiness program
- School of Law Career Development Office
- College of Humanities and Sciences Career Planning Center
- Missoula College Career Services

The elements of ElevateU can be done in any order. For the best outcomes, we recommend getting started with items marked with a * in your first two years, though most of them can be done at any time.