Engineering Physics

Where can you go with an Engineering Physics Degree?

A degree in Engineering Physics can take your career in many directions. Most students choose to enter the workforce right after graduation, and many continue their education after a few years in the workforce. Our students are equipped with a strong foundation for a career as a(n): Aerospace Engineer, Astrophysicist, Chemical Engineer, Civil Engineer, Engineering Physicist, Electrical Engineer, Lab Scientist, Materials Engineer, Operations Engineer, Quality Engineer, Software Engineer.

First Year

Academics

- Start taking **LASC** courses as well as foundational and core Engineering Physics courses.
- Need a little help in your classes? Look into **tutoring with the Academic Success Center**.
- Look into the many **experiential learning opportunities** to help build a well-rounded experience.

On-Campus Experience

- Join a major or interest-specific student organization such as the **Society of Physics Students**.
- Explore other student organizations to join on **DragonCentral**

Connect to the Community

- Volunteer on or off-campus with different community organizations. Begin to look into research opportunities including undergraduate research alongside faculty members, or through the **National Science Foundation**.

Understand Your Career

- Start researching potential career paths on **O*Net**. Here, you can find valuable information, including typical tasks associated with the profession, the skills and knowledge required, the necessary education and licensures, wages and employment trends, professional organizations, and related occupations. Search for careers such as a **Materials Engineer**.

Second Year

Academics

- Take a deeper dive into your major and begin considering an emphasis in business or pre-health and biochemistry.

On-Campus Experience

- Find an on-campus job or begin your leadership journey by applying for a student leadership position. Visit **Handshake** to see open positions.
- Find time to participate in events and activities. See a list of upcoming opportunities in **DragonCentral**.

Connect to the Community

- Join **LinkedIn** to begin building your professional network and online presence. Think of your profile as a virtual resume and make sure to update it regularly to reflect jobs, coursework, volunteering, involvement, and skills.
- Attend the on-campus **Employer Visits** as often as possible. Make sure to engage with the representatives and collect contact information to follow up.

Understand Your Career

- Schedule an appointment with the **Career Development Center** for career planning to learn how to make the most of your time here at MSUM.

Third Year

Academics

- In addition to getting your access code, schedule an appointment with your Academic Advisor to ensure you're on track for graduation.
- Take inventory of your professional goals and decide if your future will need to include graduate school. Take the necessary exams and keep track of application timelines.

On-Campus Experience

- Begin your leadership journey by running for an officer position in the **Society of Physics Students** or by running for student senate.

Connect to the Community

- Look into the many **experiential learning opportunities** to help build a well-rounded experience, including internship, learning assistant program, outreach, and field experience.

Understand Your Career

- **Attend professional development-related events** on campus, and connect with faculty to learn more about the field and gain insights on how to be successful in your job search.
- Find an internship or part-time job with a local or regional company or organization to learn the ins and outs of your chosen career. Prepare for the application & interview process by working with the **Career Development Center**.

Fourth Year

Academics

- Participate in the **Student Academic Conference** to showcase research, connect with employers, and to boost your resume.
- Ensure you submit your application for graduation on time and complete the graduate follow-up survey, letting us know your career or continuing education plans.

On-Campus Experience

- Assess what experiences or skills are areas of growth for you and fill in gaps with volunteering, organizations, or part-time employment.

Connect to the Community

- Join professional organizations such as the **American Chemistry Council** to gain access to research, continuing education opportunities, job boards, and message boards. Make sure to join prior to graduation to receive the discounted student rate (when applicable).

Understand Your Career

- Network relentlessly! Attend networking events to get connected to employers looking to hire soon-to-be grads. Check **DragonCentral** for more information.
- **Schedule appointments with a Career Coach** to go over your professional documents and to prepare for upcoming interviews. And remember, once a dragon, always a dragon. You have access to these services for life.

What skills will you need?

To be successful in the world of Engineering Physics, you will need the following skills: analytical, math, problem solving, speaking, writing.

Thankfully, through coursework, on-campus involvement, part-time employment, and internships, you will be well-prepared for life after graduation.