

Chemistry (B.S.)

college to career major map



Career Development Center

| | 1ST YEAR | 2ND YEAR | 3RD YEAR | 4TH OR FINAL YEAR | |
|---|--|--|---|--|---|
| Academics | <p>Start taking LASC coursework as well as foundation and core Chemistry courses.</p> <p>Connect with your advisor early and utilize your faculty office hours when questions and concerns arise.</p> <p>Need a little help in your classes? Look into tutoring with the Academic Support Center.</p> | <p>Take a deeper dive into the discipline of Chemistry and begin considering an emphasis in biological chemistry or biochemistry & molecular biology.</p> <p>Get involved in research opportunities and participate in the Student Academic Conference.</p> | <p>Schedule an appointment with your Academic Advisor to ensure you're on track for graduation.</p> <p>Take inventory of your professional goals and decide if your future will need to include graduate school.</p> <p>Participate in the Student Academic Conference.</p> | <p>Present at the American Chemical Society's National Conference.</p> <p>Ensure you submit your application for graduation on time.</p> | <p>Where can you go? A degree in Chemistry can take your career in many directions. Many students choose to continue their education right after graduation while others enter the workforce. Our students are equipped with a strong foundation for a career as a(n):</p> <ul style="list-style-type: none"> • Biochemist • Chemical Engineer • Chemical Lab Technician • Drug Analyst • Environmental Analyst • Enzymologist • Hydrologist • Metallurgist • Mineralogist • Materials Science <p>What skills will you need? To be successful in the world of Chemistry you will need the following skills:</p> <ul style="list-style-type: none"> • Quantitative • Critical-thinking • Communication • Interpersonal • Observational • Problem-solving • Emotional stamina and stability <p>Thankfully, through your coursework, on-campus involvement, part-time employment and/or internships, and other self-guided learning, you will be prepared for life post-graduation.</p> |
| On-Campus Experience | <p>Sign up to participate in the Biosciences & Chemistry Learning Community.</p> <p>Join a major or interest-specific student organization such as the Chemistry & Biochemistry Club.</p> <p>Participate in Student Life Pathways to continue growing your skills/knowledge outside of the classroom. We recommend starting with the Community Life Pathway.</p> | <p>Find an on-campus job such as tutoring or learning assistant position. Visit DragonJobs powered by Handshake or connect with faculty to find opportunities.</p> <p>Continue working on your Student Life Pathways.</p> <p>Apply for a Strong Summer Research Internship your sophomore and/or junior years.</p> | <p>Begin your leadership journey by applying for a student leadership position or run for an officer position in a student organization.</p> <p>During your third year, we suggest focusing on the Professional Success and Contribution and Influence Student Life Pathways.</p> | <p>Assess what experiences or skills are areas of growth for you and fill in gaps with volunteering, organizations, internships, or part-time employment.</p> <p>Finish up your pathways and be sure to add your accomplishments to your LinkedIn and resume.</p> | |
| Connect to the Community & World | <p>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.</p> | <p>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 new jobs, research, coursework, volunteering, involvement, and skills.</p> | <p>Continue your involvement with student organizations, on and/or off-campus employment, the student life pathways, etc...</p> <p>Think about teaching a course during the summer with College for Kids & Teens.</p> | <p>Join professional organizations such as the American Chemical Society 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).</p> | |
| Understand Your Career | <p>Explore your interests, skills, and values and learn about the career readiness competencies by taking the FOCUS 2, an online assessment free for all MSUM students.</p> <p>Schedule an appointment with the Career Development Center to review your FOCUS 2 results and to begin building your resume.</p> <p>Connect with faculty to learn about research opportunities.</p> | <p>Start researching career paths on O*Net. Here, you will be able to find valuable information such as tasks associated with a position, education requirements, wages and employment trends, and related occupations. We suggest you search for careers such as Toxicologist.</p> <p>Write research proposals to prepare you for future employment & research opportunities.</p> | <p>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.</p> <p>Apply to participate in a Research Experience for Undergrads. Prepare by connecting to the Career Development Center and your advisor.</p> <p>Continue developing skills by writing research proposals.</p> | <p>Network relentlessly! Attend the spring Career Fairs to get connected to employers looking to hire soon-to-be grads. Check DragonCentral for more information.</p> <p>Schedule appointments with a Career Coach to go over your professional documents and to prepare for upcoming interviews. Remember, once a dragon always a dragon. You have access to these services for life.</p> | |

This page is interactive. Click on the **color coded** phrases to be taken to a correlating website. This map is intended to provide suggestions for activities and careers, but everyone's abilities, experiences and constraints are different. Schedule an appointment with a Career Coach to discuss your individual goals and to create a personalized map.