

BIOCHEMISTRY

REQUIREMENTS

CORE CURRICULUM

The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at marshall.edu/gened.

MY ADVISOR'S NAME IS:

| CORE 1: CRITICAL THINKING | | | | | CORE 2: | | | | | |
|---------------------------|------------------------------------|---|-----|-------|------------|-----------|-------------------------------|-----|-----|-------|
| CODE | COURSE NAME | | HRS | GRADE | | CODE | COURSE NAME | | HRS | GRADE |
| FYS 100 | First Year Seminar | • | 3 | | | ENG 101 | Beginning Composition | • | 3 | |
| MTH 229 | Critical Thinking Course | • | 5 | | ₹ | ENG 201 | Advanced Composition | • | 3 | |
| | Critical Thinking Course | • | 3 | | *** | CMM 103 | Fund Speech-Communication | • | 3 | |
| | | | | | | MTH 229 | Calculus/Analytic Geom I (CT) | • • | 5 | |
| Additiona | al University Requirements | | | | ₹ | BSC 120/L | Principles of Biology I / Lab | • • | 3/1 | |
| | Writing Intensive (CHM 357 or 358) | | 4 | | | | Core II Humanities | • | 3 | |
| | Writing Intensive | | 3 | | | | Core II Social Science | • | 3 | |
| | Multicultural or International | | 3 | | | | Core II Fine Arts | • | 3 | |
| CHM 491 | Capstone | | 2 | | | | | | | |

MAJOR-SPECIFIC

All Biochemistry majors are required to take the following courses:

COURSE NAME

| | ** | BSC 120/L | Principles of Biology I / Lab | • • | 3/1 | (** | BSC 322 | Principles of Cell Biology | • | 4 |
|--------------------|------------|-----------|-------------------------------------|-----|-----|--------------------|---------|-------------------------------|-----|-----|
| Emphasis | ** | BSC 121/L | Principles of Biology II / Lab | • | 3/1 | | BSC 324 | Principles of Genetics | • | 4 |
| | ** | CHM 211 | Principles of Chemistry I | • | 3 | *** | PHY 201 | College Physics I | • | 3 |
| S | ** | CHM 217 | Principles of Chemistry I Lab | • | 2 | (** | PHY 202 | College Physics I Lab | • | 1 |
| ohasi | ** | CHM 212 | Principles of Chemistry II | • | 3 | | PHY 203 | College Physics II | • | 3 |
| fEm | ** | CHM 218 | Principles of Chemistry II Lab | • | 2 | | PHY 204 | College Physics II Lab | • | 1 |
| •Area of | | CHM 355 | Organic Chemistry I | • | 3 | | MTH 229 | Calculus/Analytic Geom I (CT) | • • | 5 |
| ₹ | ** | CHM 356 | Organic Chemistry II | • | 3 | | | Biochemistry Elective | • | 3-4 |
| | ** | CHM 361 | Organic Chemistry II Lab | • | 3 | | | Biochemistry Elective | • | 3-4 |
| ♦Major Requirement | | CHM 305 | Research Methods Chemistry | • | 1 | | | Biochemistry Elective | • | 3-4 |
| uirer | | CHM 358 | Physical Chemistry (or 357 in Fall) | • | 4 | | | Biochemistry Elective | • | 3-4 |
| Red | | CHM 365 | Introductory Biochemistry | • | 3 | | | Free Elective | | 3 |
| Лајо | *** | CHM 366 | Intro Biochemistry Lab | • | 2 | | | Free Elective | | 3 |
| • | | CHM 467 | Intermediate Biochemistry | • | 3 | | | Free Elective | | 3 |
| _ | | CHM 491 | Capstone | • • | 2 | | | Free Elective | | 2 |
| ment | | CHM 432 | Seminar | • | 0 | | | | | |

HRS GRADE

MAJOR INFORMATION

- Students are required to know and track their degree requirements for graduation or for entrance to a professional school.
- In addition to the Core General Education requirements, the College of Science requires 3 hours of Calculus, and 40 hours of upper level credit.
- Coursework listed as "elective" may vary for each student. Students are encouraged to use elective hours toward a 2nd minor or toward prerequisities.
- Students are strongly encouraged to select courses that meet two or more Core or College requirements. For example, a writing intensive literature course could satisfy the Core II Humanities requirement as well as the University writing intensive requirement.
- Course offerings and course attributes are subject to change each semester. Please consult each semesters schedule of courses for availability and
- Math is based on an ACT Mathematics score of 27 or higher. Students with an ACT Mathematics score less than 27 will be placed in the appropriate prerequisite mathematics and science courses.
- CHM 358 or 411 is recommended for students considering graduate school.
- The BSC coursework provides a Biological Sciences minor.

COURSE NAME

HRS GRADE

- A Grade Point Average of 2.0 is required 1) overall, 2) at MU, 3) in all required Chemistry courses, 4) in all Chemistry courses, and 5) in all required Chemistry courses taken at MU.
- Biochemistry Electives: Select from the following courses. At least one course must be 4 credit hours, and at least one must be a CHM course. BSC 302, 422, 428, 443, 448, 450, 456, CHM 345, 357, 358, 411, 448, 451, 465, 466.
- Double majors within the Department of Chemistry may include any majors other than the B.S., Major in Chemical Sciences. A double major of Forensic Chemistry with Biochemistry is also currently not permitted.

FOUR YEAR PLAN COLLEGE OF SCIENCE 2023-2024

BIOCHEMISTRY

TOTAL HOURS

Summer Term (optional):

Students completing the Biochemistry major will be prepared for career opportunities in the biotechnology, forensics, environmental, pharmaceutical, agricultural, and medical fields. Students will also be well prepared for graduate-level study in biochemistry, biotechnology, and genetics and molecular biology. Additionally, Biochemistry is an excellent choice for students desiring to attend professional training in Medicine, Dentistry, Pharmacy, Law or Engineering.

MY ADVISOR'S NAME IS:

| | | | FALL SEMESTER | | | | | | SPRING SEMESTER | | | |
|------------|-----------|---|---|-------------------------------|--------------------------------|-------|------------|---|---|----------|---------------------------------------|-------|
| | | CODE | COURSE NAME | | HRS | GRADE | | CODE | COURSE NAME | | HRS | GRADE |
| | ₹ | CHM 211 | Principles of Chemistry I | • | 3 | | ₹ | BSC 121/L | Principles of Biology II / Lab | • | 3/1 | |
| | ₹ | CHM 217 | Principles of Chemistry I Lab | • | 2 | | *** | CHM 212 | Principles of Chemistry II | \ | 3 | |
| 臼 | ₹ | BSC 120/L | Principles of Biology I / Lab | • • | 3/1 | | ₹ | CHM 218 | Principles of Chemistry II Lab | • | 2 | |
| ON | | ENG 101 | Beginning Composition | • | 3 | | | MTH 229 | Calculus/Analytic Geom I (CT) | • • | 5 | |
| E. | | FYS 100 | First Year Sem Crit Thinking | • | 3 | | | | | | | |
| YEAR ONE | | UNI 100 | Freshman First Class | | 1 | | | | | | | |
| 7 | | | | | | | | | | | | |
| | | TOTAL HO | OURS | | 16 | | | TOTAL HO | URS | | 14 | |
| | Sumi | mer Term (op | tional): | | | | | | | | | |
| | | | FALL SEMESTER | | | | | | SPRING SEMESTER | | | |
| | | CODE | COURSE NAME | _ | HRS | GRADE | | CODE | COURSE NAME | _ | HRS | GRADE |
| | | CODE | Core I Critical Thinking | • | 3 | CHADL | | BSC 324 | Principles of Genetics | • | | CHADE |
| | | CHM 355 | Organic Chemistry I | • | 3 | | | CHM 356 | Organic Chemistry II | • | • | |
| 0 | ** | ENG 201 | Advanced Composition | • | 3 | | | CHM 361 | Organic Chemistry Lab | • | _ | |
| | | 2.1.5.251 | Free Elective | | 3 | | | CMM 103 | Fund Speech Communication | • | | |
| E E | | | Free Elective | | 3 | | | CIVIII 103 | Core II Fine Arts | • | _ | |
| YEAR TWO | | | | | | | | | | | | |
| ΥE | | | | | | | | | | | | |
| | | TOTAL HO | NIDC | | 4.5 | | | | | | | |
| | | IOIALIIO | UKS | | 15 | | | TOTAL HO | URS | | 16 | |
| | Sumi | mer Term (op | | | 15 | | | TOTAL HO | DURS | | 16 | |
| | Sumi | | tional): | | 15 | | | TOTAL HO | | | 16 | |
| | Sumi | mer Term (op | rtional): FALL SEMESTER | | | GRADE | | | SPRING SEMESTER | | | |
| | | mer Term (op | FALL SEMESTER COURSE NAME | | | GRADE | | CODE | SPRING SEMESTER COURSE NAME | | HRS | GRADE |
| | Sumi | CODE BSC 322 | FALL SEMESTER COURSE NAME Principles of Cell Biology | • | | GRADE | | CODE CHM 366 | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab | • | HRS 2 | |
| 35 | | CODE BSC 322 CHM 305 | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry | • | HRS 4 | GRADE | • | CODE CHM 366 CHM 467 | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry | • | HRS 2 3 | |
| REE | | CODE BSC 322 CHM 305 CHM 365 | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry | ** | HRS 4 1 3 | GRADE | • | CODE CHM 366 CHM 467 PHY 203 | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II | * | HRS 2 | |
| THREE | | CODE BSC 322 CHM 305 CHM 365 PHY 201 | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry College Physics I | ** | HRS 4 | GRADE | • | CODE CHM 366 CHM 467 | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II College Physics II Lab | • | HRS 2 3 3 1 | |
| AR THREE | | CODE BSC 322 CHM 305 CHM 365 | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry College Physics I College Physics I Lab | ** | HRS 4 1 3 | GRADE | | CODE CHM 366 CHM 467 PHY 203 | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II College Physics II Lab Core II Humanities | * * | HRS 2 3 | |
| 떠 | | CODE BSC 322 CHM 305 CHM 365 PHY 201 | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry College Physics I | ** | HRS 4 1 3 3 1 | GRADE | | CODE CHM 366 CHM 467 PHY 203 | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II College Physics II Lab | * * | HRS 2 3 3 1 1 3 | |
| YEAR THREE | | CODE BSC 322 CHM 305 CHM 365 PHY 201 PHY 202 | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry College Physics I College Physics I Lab Core Il Social Science (MC/I) | ** | HRS 4 1 3 3 1 | GRADE | | CODE CHM 366 CHM 467 PHY 203 PHY 204 | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II College Physics II Lab Core II Humanities Biochemistry Elective | * * | HRS 2 3 3 1 3 3-4 | |
| 떠 | t t | CODE BSC 322 CHM 305 CHM 365 PHY 201 | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry College Physics I College Physics I Lab Core II Social Science (MC/I) | ** | HRS 4 1 3 3 1 | GRADE | | CODE CHM 366 CHM 467 PHY 203 | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II College Physics II Lab Core II Humanities Biochemistry Elective | * * | HRS 2 3 3 1 1 3 | |
| 떠 | t t | CODE BSC 322 CHM 305 CHM 365 PHY 201 PHY 202 TOTAL HO | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry College Physics I College Physics I Lab Core II Social Science (MC/I) | ** | HRS 4 1 3 3 1 | GRADE | • | CODE CHM 366 CHM 467 PHY 203 PHY 204 | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II College Physics II Lab Core II Humanities Biochemistry Elective | * * | HRS 2 3 3 1 3 3-4 | |
| 떠 | t t | CODE BSC 322 CHM 305 CHM 365 PHY 201 PHY 202 TOTAL HO | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry College Physics I College Physics I Lab Core II Social Science (MC/I) | ** | HRS 4 1 3 3 1 3 | | • | CODE CHM 366 CHM 467 PHY 203 PHY 204 | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II College Physics II Lab Core II Humanities Biochemistry Elective | * * | HRS 2 3 3 1 3 3-4 | GRADE |
| 떠 | t t | CODE BSC 322 CHM 305 CHM 365 PHY 201 PHY 202 TOTAL HOmer Term (op | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry College Physics I College Physics I Lab Core II Social Science (MC/I) PURS Stional): FALL SEMESTER COURSE NAME | ** | HRS 4 1 3 3 1 3 15 | GRADE | • | CODE CHM 366 CHM 467 PHY 203 PHY 204 TOTAL HO | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II College Physics II Lab Core II Humanities Biochemistry Elective | * * | HRS 2 3 3 1 3 3-4 15 | |
| 떠 | t t | CODE BSC 322 CHM 305 CHM 365 PHY 201 PHY 202 TOTAL HO | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry College Physics I College Physics I Lab Core II Social Science (MC/I) OURS Stional): FALL SEMESTER COURSE NAME Capstone Experience (or CHM 490) | • | HRS 4 1 3 3 1 3 15 | | | CODE CHM 366 CHM 467 PHY 203 PHY 204 TOTAL HO | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II College Physics II Lab Core II Humanities Biochemistry Elective SPRING SEMESTER COURSE NAME Chemistry Seminar | • | HRS 2 3 3 1 3 3-4 15 | GRADE |
| YEAR | t t | CODE BSC 322 CHM 305 CHM 365 PHY 201 PHY 202 TOTAL HOmer Term (op | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry College Physics I College Physics I Lab Core II Social Science (MC/I) OURS Intional): FALL SEMESTER COURSE NAME Capstone Experience (or CHM 490) Writing Intensive | • | HRS 4 1 3 3 1 3 15 HRS 2 3 | | | CODE CHM 366 CHM 467 PHY 203 PHY 204 TOTAL HO CODE CHM 432 | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II College Physics II Lab Core II Humanities Biochemistry Elective OURS SPRING SEMESTER COURSE NAME Chemistry Seminar Biochemistry Elective | * * | HRS 2 3 3 1 3 3-4 15 HRS 0 3-4 | GRADE |
| YEAR | t t | CODE BSC 322 CHM 305 CHM 365 PHY 201 PHY 202 TOTAL HOmer Term (op | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry College Physics I College Physics I Lab Core II Social Science (MC/I) OURS Stional): FALL SEMESTER COURSE NAME Capstone Experience (or CHM 490) | • | HRS 4 1 3 3 1 3 15 | | | CODE CHM 366 CHM 467 PHY 203 PHY 204 TOTAL HO | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II College Physics II Lab Core II Humanities Biochemistry Elective OURS SPRING SEMESTER COURSE NAME Chemistry Seminar Biochemistry Elective Physical Chemistry (or 357 in Fall) | • | HRS 2 3 3 1 3 3-4 15 HRS 0 3-4 4 | GRADE |
| YEAR | t t | CODE BSC 322 CHM 305 CHM 365 PHY 201 PHY 202 TOTAL HOmer Term (op | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry College Physics I College Physics I Lab Core II Social Science (MC/I) OURS Stional): FALL SEMESTER COURSE NAME Capstone Experience (or CHM 490) Writing Intensive Biochemistry Elective (CHM Course) or Free Elective | • | HRS 4 1 3 3 1 3 15 HRS 2 3 3-4 | | | CODE CHM 366 CHM 467 PHY 203 PHY 204 TOTAL HO CODE CHM 432 | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II College Physics II Lab Core II Humanities Biochemistry Elective OURS SPRING SEMESTER COURSE NAME Chemistry Seminar Biochemistry Elective Physical Chemistry (or 357 in Fall) Biochemistry Elective (CHM Course) | * | HRS 2 3 3 1 3 3-4 15 HRS 0 3-4 4 3-4 | GRADE |
| YEAR | t t | CODE BSC 322 CHM 305 CHM 365 PHY 201 PHY 202 TOTAL HOmer Term (op | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry College Physics I College Physics I Lab Core II Social Science (MC/I) CURS Itional): FALL SEMESTER COURSE NAME Capstone Experience (or CHM 490) Writing Intensive Biochemistry Elective (CHM Course) or Free Elective | • | HRS 4 1 3 3 1 3 15 HRS 2 3 3-4 | | | CODE CHM 366 CHM 467 PHY 203 PHY 204 TOTAL HO CODE CHM 432 | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II College Physics II Lab Core II Humanities Biochemistry Elective OURS SPRING SEMESTER COURSE NAME Chemistry Seminar Biochemistry Elective Physical Chemistry (or 357 in Fall) | • | HRS 2 3 3 1 3 3-4 15 HRS 0 3-4 4 | GRADE |
| 떠 | t t | CODE BSC 322 CHM 305 CHM 365 PHY 201 PHY 202 TOTAL HOmer Term (op | FALL SEMESTER COURSE NAME Principles of Cell Biology Research Methods Chemistry Introductory Biochemistry College Physics I College Physics I Lab Core II Social Science (MC/I) OURS Stional): FALL SEMESTER COURSE NAME Capstone Experience (or CHM 490) Writing Intensive Biochemistry Elective (CHM Course) or Free Elective | • | HRS 4 1 3 3 1 3 15 HRS 2 3 3-4 | | | CODE CHM 366 CHM 467 PHY 203 PHY 204 TOTAL HO CODE CHM 432 | SPRING SEMESTER COURSE NAME Intro Biochemistry Lab Intermediate Biochemistry College Physics II College Physics II Lab Core II Humanities Biochemistry Elective OURS SPRING SEMESTER COURSE NAME Chemistry Seminar Biochemistry Elective Physical Chemistry (or 357 in Fall) Biochemistry Elective (CHM Course) Biochemistry Elective (CHM Course) | * | HRS 2 3 3 1 3 3-4 15 HRS 0 3-4 4 3-4 | GRADE |

TOTAL HOURS

16-19

INVOLVEMENT OPPORTUNITIES

- Student Government Association
- · Campus Activity Board
- JMELI
- · Commuter Student Advisory Board
- Club Sports
- Religious Organizations
- Political Organizations
- Residence Hall Association
- Cultural Organizations
- National Society of Leadership and Success
- Greek Life

RELATED MAJORS

- Biomechanics
- Athletic Training
- EducationGeology
- Geography
- Environmental Science

GRADUATION REQUIREMENTS

- Have a minimum of 120 credit hours (some colleges or majors require more);
- Have an overall and Marshall Grade Point Average of 2.00 or higher;
- Have an overall Grade Point Average of 2.00 or higher in the major area of study;
- Have earned a grade of C or better in English 201 or 201 H;
- Have met all major(s) and college requirements;
- Have met the requirements of the Core Curriculum;
- Have met the residence requirements of Marshall University, including 12 hours of 300/400 level coursework in the student's college (see section entitled "Residence Requirements" in the undergraduate catalogue);
- Be enrolled at Marshall at least one semester of the senior year;
- Have transferred no more than 72 credit hours from an accredited West Virginia twoyear institution of higher education.

Colleges and specific programs may have unique requirements that are more stringent than those noted above. Students are responsible for staying informed about and ensuring that they meet the requirements for graduation.

This academic map is to be used as a guide in planning your coursework toward a degree. Due to the complexities of degree programs, it is unfortunate but inevitable that an error may occur in the creation of this document. The official source of degree requirements at Marshall University is DegreeWorks available in your myMU portal. Always consult regularly with your advisor.

$\overline{\text{BIOCHEMISTRY} - 2023-2024}$

YEAR ONE



Develop relationships with professors who can serve as future references by attending their office hours.



In order to graduate on time, you need to take an average of 15 credits per semester. Are you on track? Take 15 to Finish!



Join the Alpha Chi Sigma chemistry professional fraternity.



Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.



cuss undergrad

Discuss undergraduate research opportunities with faculty in Chemistry right now.



Take a pulse check. Know what you need to do every year to keep your grants, scholarships, or federal financial aid.



Apply for a nationally competitive scholarship like Goldwater, Fullbright, Rhodes, or Gates Cambridge. Contact the Office of National Scholarships at Marshall.

YEAR THREE



Apply for a nationally competitive scholarship like Goldwater, Fullbright, Rhodes, or Gates Cambridge. Contact the Office of National Scholarships at Marshall.



Apply in the spring semester for Chemistry Department scholarships and summer fellowships.



Did you do really well in a hard course? Become a Tutor or a Supplemental Instructor.



Develop relationships with professors who can serve as future references by attending their office hours.



Present your research at a national or regional American Chemical Society meeting.



Want to continue your education and increase your opportunities? Talk to a faculty member about whether graduate school fits your career goals.



Discuss undergraduate research opportunities with faculty in Chemistry right now.



This is it! Are you on track to graduate? Meet with your advisor for your Senior Eval to see what requirements you have left.



Did you do really well in a hard course? Become a Tutor or a Supplemental Instructor.



Want to continue your education and increase your opportunities? Talk to a faculty member about whether graduate school fits your career goals.



Present your research at a national or regional American Chemical Society meeting.



Complete admissions exams (GRE, MCAT, PCAT) the summer before your senior year.



Be at the top of your professional game! Prepare a final resume and practice your interview skills with a career coach in Career Education.



Present your research at the College of Science Research Day.



TRANSFERABLE SKILLS

Technological Literacy

ASSOCIATED CAREERS

Product Development

Process Development

· Quality Assurance/Control

Environmental Analysis

· Chemical Engineer

• Pharmaceutical Sales

Scientific Ability

Adaptability

Analysis

Pharmacist

Marketing

ASSOCIATED WITH THIS MAJOR

Oral and Written Communication Skills Ability to Work as Part of a Team

Marshall University College of Science 1 John Marshall Drive Huntington, WV 25755 1-304-696-3170 cos@marshall.edu marshall.edu/cos

YEAR TWO



Did you do really well in a hard course? Become a Tutor or a Supplemental Instructor.





Develop relationships with professors who can serve as future references by attending their office hours.



Apply in the spring semester for Chemistry Department scholarships and summer fellowships.



Discuss undergraduate research opportunities with faculty in Chemistry right now.





Present your research at a national or regional American Chemical Society meeting.



Want to continue your education and increase your opportunities? Talk to a faculty member about whether graduate school fits your career goals.



Apply for a nationally competitive scholarship like Goldwater, Fullbright, Rhodes, or Gates Cambridge. Contact the Office of National Scholarships at Marshall.

YEAR FOUR