



BIOMEDICAL SCIENCES

The Biomedical Sciences major provides you with key science courses to prepare you for a career in health care with the flexibility to design a curriculum that fits your particular interests. Concentrations include: pre-veterinary, pre-medical, pre-podiatry, pre-dentistry, pre-optometry, pre-pharmacy, pre-chiropractic, pre-physician assistant, pre-physical therapy, and pre-occupational therapy. All concentrations are designed to meet requirements for professional schools in the tri-state area.



SCAN TO FIND:

- Featured courses.
- Program requirements and more!

BEYOND THE CLASSROOM

HANDS-ON EXPERIENCE

Biomedical Sciences majors may engage in individualized research on campus with a faculty mentor, have opportunities for shadowing and observation, and engage in co-op positions or internship experiences in off-campus research programs. These opportunities strengthen applications to professional schools and provide valuable experiences that serve to enhance career options in the future.



FURTHER YOUR EDUCATION

Students interested in preparing for a career in health care at the graduate level are encouraged to contact the Health Professions Advising Committee (hpac@msj.edu). On-site pre-health advisors assist students in career path exploration, and developing the skills necessary to be successful in their application process, including resume workshops, Graduate Record Examination (GRE) preparation, and more.

AFFORDABLE EDUCATION

THE MOUNT OFFERS UP TO
\$22,000
 IN MERIT SCHOLARSHIPS

To see eligibility requirements and other available scholarships, visit www.msj.edu/scholarships.

CAREERS IN BIOMEDICAL SCIENCES

DENTIST	MEDICAL DOCTOR	PHARMACIST
PHYSICIAN ASSISTANT	PHYSICAL THERAPIST	VETERINARIAN

ALUMNI SUCCESS

100%
 CAREER OUTCOMES RATE

100% of 2022 School of Behavioral & Natural Sciences graduates were successfully employed, enrolled in graduate studies, or volunteering within six months of graduation. The knowledge rate for this survey was 74%.



MOUNT ST. JOSEPH UNIVERSITY®
 SCHOOL OF BEHAVIORAL & NATURAL SCIENCES

Office of Admission
 513-244-4531 | 800-654-9314
www.msj.edu | admission@msj.edu

Maria Brown, Ph.D.
 Chair, Department of Biology
 Assistant Professor of Biology
maria.brown@msj.edu

BIOMEDICAL SCIENCES MAJOR - BACHELOR OF SCIENCE

<p style="text-align: center;"><u>Foundation Courses</u></p> <p>BIO 111/BIO 111A Principles of Biology I w/ Lab BIO 112/BIO 112A Principles of Biology II w/ Lab BIO 204 Biology Seminar CED 220 Found. of Professionalism CHE 111/CHE 111A Gen. Chemistry I w/ Lab CHE 112/CHE 112A Gen. Chemistry II w/ Lab PSY 103 Intro to Psychology</p>	<p style="text-align: center;"><u>Pre-Optometry Concentration</u></p> <p>BIO 197/BIO 197A Human Anat. & Phys. I w/ Lab BIO 198/BIO 198A Human Anat. & Phys. II w/Lab BIO 305 Microbiology CHE 211/CHE 211A Organic Chemistry I w/ Lab CHE 212/CHE 212A Organic Chemistry II w/ Lab CHE 325/ CHE 325A Biochemistry I w/ Lab MTH 174 Statistics MTH 193 Calculus I PHY 201/PHY 201A General Physics I w/ Lab PHY 202/PHY 202A General Physics II w/Lab + Biology Electives - 16 hours</p>
<p style="text-align: center;"><u>Pre-Chiropractic</u> <u>Pre-Medical</u> <u>Pre-Podiatry</u> <u>Concentration</u></p> <p>CHE 211/CHE 211A Organic Chemistry I w/ Lab CHE 212/CHE 212A Organic Chemistry II w/ Lab CHE 325/ CHE 325A Biochemistry I w/ Lab MTH 174 Statistics I PHY 201/PHY 201A General Physics I w/ Lab PHY 202/PHY 202A General Physics II w/Lab + Biology Electives - 28 hours</p>	<p style="text-align: center;"><u>Pre-Pharmacy Concentration</u></p> <p>BIO 197/BIO 197A Human Anat. & Phys. I w/ Lab BIO 198/BIO 198A Human Anat. & Phys. II w/Lab BIO 305 Microbiology CHE 211/CHE 211A Organic Chemistry I w/ Lab CHE 212/CHE 212A Organic Chemistry II w/ Lab CHE 325/ CHE 325A Biochemistry I w/ Lab ECO 201 Economic Issues MTH 174 Statistics MTH 193 Calculus I PHY 201/PHY 201A General Physics I w/ Lab PHY 202/PHY 202A General Physics II w/Lab + Biology Electives - 16 hours</p>
<p style="text-align: center;"><u>Pre-Dental Concentration</u></p> <p>BIO 197/BIO 197A Human Anat. & Phys. I w/ Lab BIO 198/BIO 198A Human Anat. & Phys. II w/Lab BIO 305 Microbiology CHE 211/CHE 211A Organic Chemistry I w/ Lab CHE 212/CHE 212A Organic Chemistry II w/ Lab CHE 325/ CHE 325A Biochemistry I w/ Lab PHY 201/PHY 201A General Physics I w/ Lab PHY 202/PHY 202A General Physics II w/Lab + Biology Electives - 16 hours</p>	<p style="text-align: center;"><u>Pre-Physical Therapy Concentration</u></p> <p>BIO 130 Medical Terminology BIO 197/BIO 197A Human Anat. & Phys. I w/ Lab BIO 198/BIO 198A Human Anat. & Phys. II w/Lab MTH 174 Statistics PHY 201/PHY 201A General Physics I w/ Lab PHY 202/PHY 202A General Physics II w/Lab PSY 204 Lifespan Development + Biology Electives - 18 hours</p>
<p style="text-align: center;"><u>Pre-Occupational Therapy Concentration</u></p> <p>BIO 130 Medical Terminology BIO 197/BIO 197A Human Anat. & Phys. I w/ Lab BIO 198/BIO 198A Human Anat. & Phys. II w/Lab MTH 174 Statistics PHY 201/PHY 201A General Physics I w/ Lab PHY 202/PHY 202A General Physics II w/Lab PSY 204 Lifespan Development PSY 340 Abnormal Psychology + Biology Electives - 18 hours</p>	

BIOMEDICAL SCIENCES MAJOR - BACHELOR OF SCIENCE

Pre-Physician Assistant Concentration	NOTES																												
<p>BIO 130 Medical Terminology BIO 197/BIO 197A Human Anat. & Phys. I w/ Lab BIO 198/BIO 198A Human Anat. & Phys. II w/Lab BIO 305/BIO 305A Microbiology CHE 211/CHE 211A Organic Chemistry I w/ Lab CHE 212/CHE 212A Organic Chemistry II w/ Lab CHE 325/ CHE 325A Biochemistry I w/ Lab MTH 174 Statistics PSY 204 Lifespan Development + Biology Electives - 12 hours</p>	<p>Prerequisites: Chemistry- College preparatory high school chemistry or the successful completion of a placement test. Math- Three years of college preparatory high school mathematics including functions.</p> <p>Ethics Required: Recommended Course: ETH:PHI 250 Health Care Ethics (3) CE</p> <p>120 credits hours minimum needed to graduate.</p> <p>**Curriculum Guide does not replace advisement by a faculty member within the Biomedical Sciences program and Health Professions Advisor Committee (HPAC).**</p>																												
Pre-Veterinarian Concentration																													
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ADDITIONAL UNIVERSITY CORE REQUIREMENTS for BIOMED majors																													
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MOUNT ST. JOSEPH UNIVERSITY®

5701 Delhi Road
Cincinnati, Ohio 45233-1670
513-244-4200
www.msj.edu

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The University has designated the Vice President of Compliance Risk and Legal Affairs/General Counsel/Title IX Coordinator, (513) 244-4393, as the individual responsible for responding to inquiries, addressing complaints, and coordinating compliance with its responsibilities under Title IX of the Education Amendments of 1972 and other related federal and state civil rights laws. The University has designated the Chief Human Resources Officer, (513) 244-4979, as the individual responsible for responding to inquiries, issues, or complaints relating to discriminatory, harassing, or retaliatory conduct related to race, color, national origin, religion, age, disability, veteran status or any other legally protected status. The University has designated the Associate Provost for Academic Affairs, (513) 244-4614, as the individual responsible for responding for addressing formal complaints regarding compliance with its responsibilities under Section 504 of the Rehabilitation Act of 1973. 09-WO-002425/23/800