



Biomedical Sciences Major– Bachelor of Science

Foundation Courses

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

Pre-Chiropractic, Pre-Medical, Pre-Podiatry Concentration

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

Pre-Dental Concentration

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

Pre-Occupational Therapy Concentration

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

Pre-Physical Therapy Concentration

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

Pre-Optometry Concentration

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 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

Pre-Pharmacy Concentration

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 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

Pre-Physician Assistant Concentration

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 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
 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

Pre-Veterinarian Concentration

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
 CHE 326/CHE 326A Biochemistry II 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

NOTES

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.

Ethics Required: Recommended Course:
 ETH:PHI 250 Health Care Ethics (3) CE

120 credits hours minimum needed to graduate.

Curriculum Guide does not replace advisement by a faculty member within the Biomedical Sciences program and Health Professions Advisor Committee (HPAC).

ADDITIONAL UNIVERSITY CORE REQUIREMENTS for BIOMED majors

CORE 115
 Common Ground Code COR
 Justice & the Common Good Code JCG
 Ethics Code CE
 Experiential Learning Code EXP
 Core Capstone Code CCP
 Speech (COM 100) Code C
 Writing (ENG 101) Code C
 Literature (ENG) Code CL
 Art or Music Code CAM
 History Code CH
 Religious Studies Code CR
 Philosophy Code CP
 Mathematics# Code CMA
 SOC 103
 Our Social World Code CS
 #Math needed for core requirement if not included in chosen concentration