

Emergency Medical Care, B.S. 120hrs

Clinical Science Concentration

Residential

School of Health Sciences

Catalog Year 2024-2025

| Freshman | Fall | Term | Grade | Hrs | Milestones |
|---|---|------|-------|-----------|-------------------|
| | ENGL 101: Writing & Rhetoric or FYS 190 | | | 3 | Complete CHEM 139 |
| | CHEM 139: General Chemistry I/Lab (C5) | | | 4 | |
| | MATH 170: Applied Statistics (C2) | | | 3 | |
| | P1-P6 (P1: PSY 150 recommended) | | | 3 | |
| | P1-P6 | | | 3 | |
| | Total | | | 16 | |
| Tips: Meet with your Academic Advisor before your registration date so you can register on time. Become involved with Epsilon Sigma Pi, EMC's professional service organization. Students should strive for a competitive grade in CHEM for their application. | | | | | |

| | Spring | Term | Grade | Hrs | Milestones |
|--|---|------|-------|-----------|-------------------------------------|
| | ENGL 101: Writing & Rhetoric or FYS 190 | | | 3 | Research Grad/Professional programs |
| | CHEM 140: General Chemistry II/Lab | | | 4 | |
| | HEAL 123, HSCC 101, or HEAL 111 (C4) | | | 3 | |
| | P1-P6 | | | 3 | |
| | Total | | | 13 | |
| Tips: If you have a current EMS certification, contact the Program Director for exemption of EMC 240/241. Meet with your Academic Advisor before your registration date so you can register on time. | | | | | |

| Sophomore | Fall | Term | Grade | Hrs | Milestones |
|--|--|------|-----------|-----|-------------------------------------|
| | ENGL 202: Writing & Critical Inquiry (C1) or COMM 201: Foundations of Communication (C3) | | | 3 | Complete BIOL 291 with C or better |
| | BIOL 291: Human Anatomy & Physiology I/Lab (C5) | | | 4 | Complete EMC 240 with a C or better |
| | EMC 240: Intro to Emergency Medical Care | | | 4 | |
| | EMC 241: Basic Emergency Medical Techniques | | | 2 | Complete EMC 241 with a C or better |
| | EMC Clinical Science Elective | | | 4 | |
| Total | | | 17 | | |
| Tips: Speak with your advisor about admission criteria for EMC and graduate/professional programs of interest. Students should earn a higher grade in BIOL 291 to remain competitive with the EMC application process. Students should earn a higher grade in EMC 240 & 241 to remain competitive with the EMC application process. | | | | | |

| | Spring | Term | Grade | Hrs | Milestones |
|---|--|------|-------|-----------|--|
| | ENGL 202: Writing and Critical Inquiry (C1) or COMM 201: Foundations of Communication (C3) | | | 3 | Apply for program by 5pm on January 15th |
| | BIOL 292: Human Anatomy & Physiology II/Lab | | | 4 | Complete BIOL 292 with C or better |
| | Elective (HSCC 322 Recommended) | | | 3 | |
| | EMC Clinical Science Elective | | | 4 | |
| | Total | | | 14 | |
| Tips: Take the suggested elective HSCC 322: Medical Terminology. Students should earn a higher grade in BIOL 292 to remain competitive with the EMC application process. The EMC application can be found on the EMC website, EMC.WCU.EDU. | | | | | |

| Junior | Fall | Term | Grade | Hrs | Milestones |
|--|---|------|-------|-----------|---|
| | EMC 320: Intro to Pharmacology | | | 3 | Begin preparing for entrance exam (MCAT, GRE, etc.) if needed |
| | EMC 321: Pharmacology Techniques | | | 1 | |
| | EMC 340: Intro to Clinical Medicine | | | 2 | |
| | EMC 341: Intro to Clinical Medicine Lab | | | 1 | |
| | EMC 351: Basic ECG Interpretation | | | 1 | |
| | EMC 381: Clinical Practicum I | | | 1 | |
| | P1-P6 Liberal Studies/ULP | | | 3 | |
| | Elective | | | 3 | |
| | Total | | | 15 | |
| Tips: Connect with advisor to discuss graduate/professional programs in further detail. If admission to your grad program of interest requires exam, find resources with Tutoring Services: TUTORING.WCU.EDU | | | | | |

| | Spring | Term | Grade | Hrs | Milestones | |
|--|--|------|-------|-----------|--|--|
| | EMC 350: Cardiology | | | 2 | Take entrance exam for graduate school if needed | |
| | EMC 352: Cardiology Lab | | | 1 | | |
| | EMC 360: Acute Fluid & Respiratory Disorders | | | 3 | | |
| | EMC 361: Advanced Emergency Medical Techniques | | | 1 | | |
| | EMC 370: Medical Emergencies | | | 3 | | |
| | EMC 382: Clinical Practicum II | | | 1 | | |
| | P1-P6 Liberal Studies/ULP | | | 3 | | |
| | Total | | | 14 | | |
| | Tip: Connect with Pre-Professional advising for additional resources: wcu.edu/learn/academic-services/advising-center/preprofessional-advising/ | | | | | |

| Senior | Fall | Term | Grade | Hrs | Milestones |
|--|--|------|-----------|-----|----------------------|
| | EMC 410: Trauma Management | | | 2 | Apply for Graduation |
| | EMC 411: Trauma Management Lab | | | 1 | |
| | EMC 420: Maternal & Child Emergency Care | | | 3 | |
| | EMC 421: Maternal & Child Emergency Care Lab | | | 1 | |
| | EMC 430: Special Needs Patients | | | 1 | |
| | EMC 451: Advanced ECG Interpretation | | | 1 | |
| | EMC 452: Critical Cardiac & Resuscitation Mgt. | | | 1 | |
| | EMC 483: Clinical Practicum III | | | 3 | |
| | HSCC 470: Research Methods in Health Science | | | 3 | |
| Total | | | 16 | | |
| Tip: Consider connecting with Center for Career & Professional Development for assistance with resume/cover letter. | | | | | |

| | Spring | Term | Grade | Hrs | Milestones |
|--------------|---|------|-----------|-----|------------|
| | EMC 461: Simulation Lab | | | 1 | Graduate! |
| | EMC 485: MICU Practicum | | | 4 | |
| | EMC 496: Senior Seminar in Emergency Medical Care | | | 2 | |
| | P1-P6 Liberal Studies/ULP | | | 3 | |
| | Electives | | | 5 | |
| Total | | | 15 | | |
| Tip: | | | | | |

Note: A minimum of 8 credit hours of EMC Clinical Science Electives is required.
 Note: One course from P1-P6 must be an upper level.

Emergency Medical Care, B.S.

| C1. Writing | Hrs |
|---|-----|
| ENGL 101 | 3 |
| ENGL 202 | 3 |
| C2. Mathematics | Hrs |
| MATH 170 | 3 |
| C3. Oral Communication | Hrs |
| COMM 201 | 3 |
| C4. Wellness | Hrs |
| HEAL 123, HSCC 101, or HEAL 111 | 3 |
| C5. Physical & Biological Sciences | Hrs |
| <i>Courses must be taken in two different disciplines.</i> | |
| CHEM 139 | 4 |
| BIOL 291 | 4 |
| The First-Year Seminar | Hrs |
| FYS 190 | 3 |
| P1. Social Sciences | Hrs |
| <i>Must take two courses from two DIFFERENT disciplines.</i> | |
| ANTH 110, ANTH 115, ANTH 432, ASI 250, BA 133, ECON 231, ECON 232, ENVH 200, ENVH 300, FIN 210, FIN 350, LAW 105, LAW 406, MKT 409, PSC 101, PSC 323, PSY 150 , PSY 320, PSY 331, RTH 300, SOC 103, SOC 235, SOC 414, SOCW 251, SOCW 354, SOCW 402 | 3 |
| | 3 |
| P3. History | Hrs |
| HIST 107, HIST 131, HIST 132, HIST 210, HIST 211, HIST 212, HIST 213, HIST 218, HIST 220, HIST 221, HIST 222, HIST 233, HIST 234, HIST 235, HIST 236, HIST 237, HIST 238, HIST 239, HIST 240, HIST 250, HIST 303, HIST 308, HIST 311, HIST 315, HIST 317, HIST 330, HIST 335, HIST 337, HIST 341, HIST 351, MATH 301 | 3 |
| P4. Humanities | Hrs |
| CS 210, ECON 344, ENGL 203, ENGL 206, ENGL 207, ENGL 208, ENGL 209, ENGL 210, ENGL 333, ENGL 350, ENGL 351, ENGL 352, ENGL 353, ENGL 367, ENGL 368, ENGL 390, GBS 200, HIST 271, HIST 281, LAW 201, LAW 306, LAW 412, PAR 101, PAR 102, PAR 121, PAR 146, PAR 201, PAR 250, PAR 304, PAR 306, PAR 307, PAR 309, PAR 310, PAR 312, PAR 313, PAR 315, PAR 317, PAR 319, PAR 320, PAR 330, PAR 332, PAR 333, PAR 365, PAR 366, PRM 365, SM 340 | 3 |
| P5. Fine & Performing Arts | Hrs |
| ART 104, DA 259, FPA 101, FTP 340, IDES 250, MUS 101, MUS 102, MUS 103, MUS 300, MUS 302, MUS 304, THEA 104 | 3 |
| P6. World Cultures | Hrs |
| ANTH 120, BA 304, CHER 101, CHIN 101, CHIN 102, CHIN 231, CHIN 232, CM 365, COMM 415, EDCI 305, ENGL 363, ENGL 366, ENGR 365, ENVH 210, FREN 101, FREN 102, FREN 231, GEOG 103, GEOG 140, GEOG 440, GER 101, GER 102, GER 140, HSCC 205, HSCC 420, HT 238, JPN 101, JPN 102, JPN 140, LATX 220, MKT 407, MUS 303, ND 310, PAR 145, PAR 251, PAR 260, PAR 323, PAR 342, PAR 353, PAR 354, PAR 356, PAR 357, PAR 367, PRM 322, PSC 169, SM 350, SOC 160, SPAN 101, SPAN 102, SPAN 140, SPAN 301 | 3 |
| Additional Liberal Studies Information | |
| One upper-level course is required in any perspective category outside the discipline (prefix) of the student's major. Students should not enroll in courses numbered above their class rank. | |

Clinical Science Concentration

| Other Major Prerequisite Requirements | Hrs |
|---|-----|
| BIOL 292 | 4 |
| EMC 240* | 4 |
| EMC 241* | 2 |
| * Not required for students holding current EMT certification | |

| Major Core Requirements | Hrs |
|-------------------------|-----|
| EMC 320 | 3 |
| EMC 321 | 1 |
| EMC 340 | 2 |
| EMC 341 | 1 |
| EMC 350 | 2 |
| EMC 351 | 1 |
| EMC 352 | 1 |
| EMC 360 | 3 |
| EMC 361 | 1 |
| EMC 370 | 3 |
| EMC 381 | 1 |
| EMC 382 | 1 |
| EMC 410 | 2 |
| EMC 411 | 1 |
| EMC 420 | 3 |
| EMC 421 | 1 |
| EMC 430 | 1 |
| EMC 451 | 1 |
| EMC 452 | 1 |
| EMC 461 | 1 |
| EMC 483 | 3 |
| EMC 485 | 4 |
| EMC 496 | 2 |
| HSCC 470 | 3 |

| Clinical Science Concentration Courses | |
|---|---|
| CHEM 140 | 4 |
| <i>2 Concentration Electives:</i> | |
| BIOL 140, BIOL 141, CHEM 241, CHEM 242, MATH 153, PHYS 130, or PHYS 131 | 4 |
| | 4 |

| Electives | |
|--|---|
| HSCC 322 (recommended elective) | 3 |
| ELECTIVES (see advisor for number of electives required) | - |

Catalog Year 2024-2025

| Program Admission Criteria |
|---|
| Declaration of a major in Emergency Medical Care (EMC) does not guarantee admission into the EMC Program. Students must formally apply and be admitted into the EMC Program before beginning the professional sequence of courses and/or proceeding into clinical placements. Admission to the EMC Program is competitive. For consideration, students must have: |
| 1. A cumulative GPA of at least 2.5 |
| 2. Completed all the pre-professional courses: CHEM 139 BIOL 291 (<i>C or higher</i>) BIOL 292 (<i>C or higher</i>) EMC 240 & EMC 241 (<i>C or higher</i>) |
| <i>Note: Students holding a current EMT certification receive experiential credit for EMC 240 & EMC 241.</i> |
| The application form and all supporting documentation must be received by the EMC program director by the deadline on January 15. |

| Scholarships & Financial Aid |
|--|
| Contact the program director for more information on the following scholarships: |
| - EMC Courage, Belief, and Strength Scholarship - Lovin-Belcher Scholarship - Norma Brake Cook Scholarship |
| Other loans, scholarships, and financial aid may be available to qualifying students in specific health disciplines. Awards are made on the basis of need, academic promise, and personal qualifications. For complete information, contact the Financial Aid Office: finaid@wcu.edu . |

| Undergraduate Catalog |
|---|
| Additional info located in the catalog at: catalog.wcu.edu |

| Advisement & Resources |
|---|
| EMC.WCU.EDU |
| Program Director Evelyn Wilson: ewilson@wcu.edu or 828-227-3519 |
| Student Services Center SSC.WCU.EDU |
| Kimberlee Yontz: kyontz@wcu.edu or 828-227-3516 Julie Conway: jkconway@wcu.edu or 828-227-2917 |