

Emergency Medical Care, B.S. 120hrs

Clinical Science Concentration

Residential

Department of Therapeutic & Clinical Healthcare

Catalog Year 2026-2027

Freshman	Fall	Hrs	Milestones
	First-Year Seminar (FYS 190)	3	Complete CHEM 139
	CHEM 139: General Chemistry I/Lab (C5)	4	
	C2 (MATH 170 recommended)	3	
	P1 (PSY 150 recommended)	3	
	P3-P6	3	
	Total	16	
Tips: Students should strive for a competitive grade in CHEM for their application. Become involved with Epsilon Sigma Pi, EMC's professional service organization.			

Spring	Hrs	Milestones
	ENGL 101: Writing & Rhetoric	3
	CHEM 140: General Chemistry II/Lab	4
	HEAL 123, HSCC 101, or HEAL 111 (C4)	3
	HIST 131 or PSC 101 (P1 and FAD)	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	Hrs	Milestones	
	ENGL 202: Writing & Critical Inquiry (C1)	3	Complete BIOL 291 with C or better	
	BIOL 291: Human Anatomy & Physiology I/Lab (C5)	4		
	EMC 240: Intro to Emergency Medical Care	4	Complete EMC 240 with a C or better	
	EMC 241: Basic Emergency Medical Techniques	2		
	EMC Clinical Science Elective	4	Complete EMC 241 with a C or better	
	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	Hrs	Milestones
	COMM 201: Foundations of Communication (C3)	3
	BIOL 292: Human Anatomy & Physiology II/Lab	4
	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	Hrs	Milestones
	EMC 320: Intro to Pharmacology	3	Begin preparing for entrance exam if needed (MCAT, GRE, etc.)
	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	Complete EMC classes with 'C' or better; Maintain 2.00 or better GPA
	EMC 381: Clinical Practicum I	1	
	P3-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 graduate program of interest requires an exam, find resources with Tutoring Services: TUTORING.WCU.EDU			

Spring	Hrs	Milestones
	EMC 350: Cardiology	2
	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
	P3-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	Hrs	Milestones	
	EMC 410: Trauma Management	2	Complete EMC classes with 'C' or better; Maintain 2.00 or better GPA	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	Hrs	Milestones
	EMC 461: Simulation Lab	1
	EMC 485: MICU Practicum	4
	EMC 496: Senior Seminar in Emergency Medical Care	2
	P3-P6 Liberal Studies/ULP	3
	Electives	5
	Total	15
Tip:		

Note : A minimum of 8 credit hours of EMC Clinical Science Electives is required.

One course from P1-P6 must be an upper level.

All students must satisfy the Foundations of American Democracy requirement in Liberal Studies. Students may take HIST 131 or PSC 101, which will also count as a P1.

Last revised 07.23.2026

Emergency Medical Care, B.S.

C1. Writing	Hrs
ENGL 101	3
ENGL 202	3
C2. Mathematics	Hrs
<i>MATH 170 is suggested.</i>	3
C3. Oral Communication	Hrs
COMM 201	3
C4. Wellness	Hrs
HEAL 123, HSCC 101, or HEAL 111	3
C5. Physical & Biological Sciences <i>(two courses from two different disciplines)</i>	Hrs
<i>Your major requires the classes listed below. These will also satisfy this requirement.</i>	
CHEM 139	4
BIOL 291	4
The First-Year Seminar	Hrs
FYS 190	3
P1. Social Sciences <i>(two courses from two different disciplines)</i>	Hrs
<i>PSY 150 is suggested. For other P1, take HIST 131 or PSC 101 for FAD requirement.</i>	
ANTH 110, ANTH 115, ANTH 432, ASI 250, BA 133, COMM 245, COMM 270, ECON 231, ECON 232, ENVH 200, ENVH 300, FIN 210, FIN 350, LAW 105, LAW 406, MKT 409, PSY 150 , PSY 320, PSY 331, RTH 300, SOC 103, SOC 235, SOC 414, SOCW 251, SOCW 354, SOCW 402	3
HIST 131 or PSC 101	3
P3. History	Hrs
HIST 107, 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 271, HIST 281, 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, 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 353, PAR 354, PAR 356, PAR 357, PAR 367, PRM 322, PSC 169, SM 350, SOC 260, SPAN 101, SPAN 102, SPAN 140, SPAN 301	3
Additional Liberal Studies Information (LiberalStudies.WCU.Edu)	
One upper-level course is required in any perspective category (P1-P6) outside the discipline (prefix) of the student's major. Students should not enroll in courses numbered above their class rank.	
All students must satisfy the Foundations of American Democracy requirement. Students may take PSC 101 or HIST 131 to complete both the FAD and one of the P1 Social Science requirements.	

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
2 Concentration Electives:	
BIOL 150, BIOL 151, 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)	-

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

Catalog Year 2026-2027

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 (C or higher) BIOL 292 (C or higher) EMC 240 & EMC 241 (C or higher)
<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.

Program Expectations
Students admitted to the professional sequence must earn a grade of C (2.0) or better in each EMC course in the major and maintain an overall 2.00 GPA to remain in the EMC Program.

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 .

Advisement & Resources
EMC.WCU.EDU
Program Director: Susan Braithwaite ssbraithwaite@wcu.edu or 828-227-2899
Student Services Center SSC.WCU.EDU
Kimberlee Yontz: kyontz@wcu.edu or 828-227-3516 Jennifer Germain: jgermain@wcu.edu or 828-227-2917