
























# CHEMISTRY 9-ADULT, B.A.



 - General Education Course


 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.

## Major

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 <https://www.marshall.edu/gened/>.

Code	Title	Credit Hours
<b>Core Curriculum</b>		
<i>Core 1: Critical Thinking</i>		
FYS 100	First Yr Sem Critical Thinking	3
	Critical Thinking Course	3
	Critical Thinking Course	3
<i>Core 2</i>		
ENG 101  	Beginning Composition	3
ENG 201  	Advanced Composition	3
CMM 103  	Fund Speech-Communication	3
MTH 127 	College Algebra-Expanded	3-5
	or MTH 130  College Algebra	
CHM 211  	Principles of Chemistry I	5
& CHM 217 	and Principles of Chem Lab I	
	Humanities	3
	Social Science	3
	Fine Arts	3
<i>Additional University Requirements</i>		
	Writing Intensive	3
	Writing Intensive	3
	Multicultural or International	3
CHM 481	Special Topics (Capstone)	3
<b>Teaching Specialization</b>		
CHM 211  	Principles of Chemistry I	3
CHM 217  	Principles of Chem Lab I	2
CHM 212 	Principles Chemistry II	3
CHM 218 	Principles of Chem Lab II	2
CHM 327	Intro Organic Chemistry	3
CHM 345	Intro to Analytical Chem	4
CHM 357	Physical Chemistry: Quantum	4
CHM 365	Introductory Biochemistry	3
CHM Elective 300/400		3-5
MTH 127 	College Algebra-Expanded	3-5
	or MTH 130  College Algebra	
MTH 140 	Applied Calculus	3-5
	or MTH 229  Calculus/Analytic Geom I (CT)	
PS 325	Dev Scientific Thought	4

CHM 481	Special Topics (Applications of Chemical ED) (C)	3
<b>Professional Education Core</b>		
EDF 201	Ed Psych Developing Learner	3
EDF 270	Level I Clinical Exp	0
CISP 421 	Child with Exceptionalities	3
EDF 435	Classroom Assessment	3
EDF 475	Schools in a Diverse Society	3
CI 345 	Crit Read Writ & Think	3
CI 449	Instr & Clarm Mgt Sec Ed	3
CISP 422	Differentiate Instruction	3
CI 415	Int Meth & Mat: Sec Ed	3
CI 470	Level II Clinical Exp	0
	Student Teaching Capstone	12
	Free Elective	3
	Free Elective	3
	Free Elective	3
	Free Elective	1

<b>Additional College Requirement</b>		
CI 350 	Inst Tech & Computing	3

## Major Information

### Admission Requirements for ADMI 4

- Grade Point Average of 2.80 or higher (both MU and overall),
- EDF 201 Ed Psych Developing Learner (grade "C" or better) and EDF 270 Level I Clinical Exp (credit),
- Passing scores on the PRAXIS Core exam – all 3 areas (**Exempt** from PRAXIS Core exam with SAT 1240 or ACT composite 26 or higher),
- Portfolio in LiveText which includes:
  - Self-Assessment,
  - Writing Sample and
  - Three Recommendations,
- 21 ACT composite score,
- MU students: Completion of 26 credit hours,
- Transfer students: Completion of 12 Marshall University credit hours.

### Admission Requirements for ADMI 5


- 12 hours of completed Professional Education Core courses,
- 2.8 GPA overall, at MU, and in Teaching Specialization,
- 3.0 GPA in Professional Education Core

### Admission Requirements for Student Teaching

- At least 90% of Teaching Specialization courses completed,
- Minimum of 100 credit hours completed,
- 2.8 GPA overall, at MU, and in Teaching Specialization,
- 3.0 GPA in Professional Education Core,
- Completion of all Professional Education Core Courses (with the exception of EDF 475 Schools in a Diverse Society)
  - Many courses require clinical experience in public school during normal school hours. Schedule open time accordingly.
  - Students should monitor their program of study carefully due to ongoing curricular changes.**
  - All** coursework in Teaching Specialization and Professional Education Core must be completed with a grade of C or better.


















- West Virginia law mandates that all persons entering a school or having contact with students must have completed a background check and have not been found on the sexual offender registry prior to entering a school. Each county and school can also use the results of that background check as a basis for admitting or denying admittance. It is the procedure of the Marshall University College of Education and Professional Development that every student will obtain a background check prior to being placed in a school setting.

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## Four Year Plan

The College of Education and Professional Development has the distinction of being the oldest part of Marshall University. The CIF (Curriculum, Instruction, & Foundations) program includes elementary, secondary, educational foundations, and educational computing for pre-service teachers. The secondary programs are designed for those wanting to teach content to middle school and/or high school students. The educational foundations and computing courses are designed for those entering the education field. Students receive broad content knowledge in the core academic area of choice as well as in the art and science of teaching children.

Course	Title	Credit Hours
<b>First Year</b>		
<b>First Semester</b>		
MTH 127  or MTH 130 	College Algebra-Expanded or College Algebra	3-5
CMM 103  	Fund Speech-Communication	3
ENG 101  	Beginning Composition	3
FYS 100	First Yr Sem Critical Thinking	3
Fine Arts		3
UNI 100	Freshman First Class	1
Credit Hours		16-18
<b>Second Semester</b>		
CHM 211  	Principles of Chemistry I	3
CHM 217  	Principles of Chem Lab I	2
ENG 201  	Advanced Composition	3
MTH 140  or MTH 229 	Applied Calculus or Calculus/Analytic Geom I (CT)	3-5
Social Science (CT, M/I)		3
Credit Hours		14-16
<b>Second Year</b>		
<b>First Semester</b>		
CHM 212 	Principles Chemistry II	3
CHM 218 	Principles of Chem Lab II	2
CI 350 	Inst Tech & Computing	3
International or Multicultural		3
Writing Intensive (CT)		3


Free Elective	1
Credit Hours	15

### Second Semester

CHM 357	Physical Chemistry: Quantum	4
CISP 421 	Child with Exceptionalities	3
EDF 201	Ed Psych Developing Learner	3
EDF 270	Level I Clinical Exp	0
Writing Intensive (Humanities)		3
Free Elective		3
Credit Hours		16

### Third Year

#### First Semester

CHM 327	Intro Organic Chemistry	3
CI 345 	Crit Read Writ & Think	3
PS 325	Dev Scientific Thought	4
Free Elective		2
Free Elective		3
Credit Hours		15

#### Second Semester


CHM 345	Intro to Analytical Chem	4
CI 449	Instr & Clarm Mgt Sec Ed	3
CISP 422	Differentiate Instruction	3
EDF 435	Classroom Assessment	3
300/400 Level CHM Elective		4
Credit Hours		17

### Fourth Year

#### First Semester

CHM 365	Introductory Biochemistry	3
CI 415	Int Meth & Mat: Sec Ed	3
CI 470	Level II Clinical Exp	0
EDF 475	Schools in a Diverse Society	3
Free Elective		3
CHM 481	Special Topics (Capstone)	3
Credit Hours		15

#### Second Semester

CI 450 	Stu Teach Secondary Ed (Capstone)	12
Credit Hours		12
Total Credit Hours		120-124