

# SECONDARY EDUCATION CHEMISTRY 9-ADULT

## REQUIREMENTS

**CORE CURRICULUM** 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 marshall.edu/gened.

### CORE 1: CRITICAL THINKING

CODE	COURSE NAME	HRS	GRADE
FYS 100	First Year Seminar	3	
	Critical Thinking Course	3	
	Critical Thinking Course	3	
<b>Additional University Requirements</b>			
	Writing Intensive	3	
	Writing Intensive	3	
	Multicultural or International	3	
CHM 481	Capstone	3	

### CORE 2:

CODE	COURSE NAME	HRS	GRADE
ENG 101	Beginning Composition	3	
ENG 201	Advanced Composition	3	
CMM 103	Fund Speech-Communication	3	
MTH 127/130	College Algebra	3-5	
CHM 211/217	Principles of Chemistry I	5	
	Core II Humanities	3	
	Core II Social Science	3	
	Core II Fine Arts	3	

## TEACHING SPECIALIZATION

All Chemistry 9-Adult majors are required to take the following courses:

CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
CHM 211	Principles of Chemistry I	3			300/400 CHM Elective	3-5	
CHM 217	Principles of Chemistry I Lab	2		MTH 127	College Algebra or 130	3-5	
CHM 212	Principles of Chemistry II	3		MTH 140	Calculus or 229	3-5	
CHM 218	Principles of Chemistry II Lab	2		PS 325	Dev Scientific Thought	4	
CHM 327	Intro Organic Chemistry	3		CHM 481	Applications of Chemical Ed (C)	3	
CHM 345	Intro to Analytical Chemistry	4					
CHM 357	Intro Physical Chemistry	3					
CHM 365	Introductory Biochemistry	3					

## PROFESSIONAL EDUCATION CORE

Students who wish to major in Chemistry 9-Adult must take the following Professional Education Core courses:

CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
EDF 201	Ed Psych Developing Learner	3		EDF 200	Pre-Residency Clinical	0	
CISP 421	Child with Exceptionalities	3		EDF 200	Pre-Residency Clinical	0	
EDF 435	Classroom Assessment	3		EDF 200	Pre-Residency Clinical	0	
EDF 475	Schools in a Diverse Society	3		EDF 200	Pre-Residency Clinical	0	
CI 345	Crit Read Writ & Think	3			Free Elective	3	
CI 449	Instr & Clarm Mgt Sec Ed	3			Free Elective	3	
CISP 422	Differentiate Instruction	3			Free Elective	3	
CI 415	Int Meth & Mat: Sec Ed	3			Free Elective	3	
CI 470	Level II Clinical Exp	0			Free Elective	2	
	Student Teaching Capstone	12			Free Elective	1	

## MAJOR INFORMATION

Admission requirements for ADMI 4:

- Grade Point Average of 2.80 or higher (both MU and overall), 2. EDF 201 (grade "C" or better) and EDF 270 (credit), 3. Passing scores on the PRAXIS Core exam – all 3 areas (EXEMPT from PRAXIS Core exam with SAT 1240 or ACT composite 26 or higher), 4. Portfolio in LiveText which includes: Self-Assessment, Writing Sample and three Recommendations, 5. 21 ACT composite score, 6. MU students: Completion of 26 credits hours, 7. Transfer students: Completion of 12 Marshall University credit hours

Admission requirements for ADMI 5:

- 12 hours of completed Professional Education Core courses, 2. 2.8 GPA overall, at MU, and in Teaching Specialization, 3. 3.0 GPA in Professional Education Core

Admission requirements for Student Teaching:

- At least 90% of Teaching Specialization courses completed, 2. Minimum of 100 credit hours completed, 3. 2.8 GPA overall, at MU, and in Teaching Specialization, 4. 3.0 GPA in Professional Education Core, 5. Completion of

all Professional Education Core Courses (with the exception of EDF 475)

- 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.

MY ADVISOR'S NAME IS:

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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.

MY ADVISOR'S NAME IS:

	FALL SEMESTER				SPRING SEMESTER				
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE	
YEAR ONE	MTH 127/130	College Algebra	3-5		CHM 211	Principles of Chemistry I	3		
	CMM 103	Fund Speech Communication	3		CHM 217	Principles of Chemistry I Lab	2		
	ENG 101	Beginning Composition	3		ENG 201	Advanced Composition	3		
	FYS 100	First Yr Sem Critical Thinking	3		MTH 140	Calculus or 229	3-5		
		Core II Fine Arts	3			Core II Social Science (CT, M/I)	3		
	UNI 100	Freshman First Class	1						
	<b>TOTAL HOURS</b>				<b>16-18</b>	<b>TOTAL HOURS</b>			
						<b>14-16</b>			
	Summer Term (optional):								

	FALL SEMESTER				SPRING SEMESTER				
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE	
YEAR TWO	CHM 212	Principles of Chemistry II	3		CHM 357	Intro Physical Chemistry	4		
	CHM 218	Principles of Chemistry II Lab	2		CISP 421	Child with Exceptionalities	3		
		International or Multicultural	3		EDF 201	Ed Psych Developing Learner	3		
		Writing Intensive (CT)	3		EDF 200	Pre-Residency Clinical	0		
		Free Elective	3			Core II Humanities (WI)	3		
		Free Elective	1			Free Elective	3		
	EDF 200	Pre-Residency Clinical	0						
	<b>TOTAL HOURS</b>				<b>15</b>	<b>TOTAL HOURS</b>			
						<b>16</b>			
	Summer Term (optional):								

	FALL SEMESTER				SPRING SEMESTER				
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE	
YEAR THREE	CHM 327	Intro Organic Chemistry	3		CHM 345	Intro to Analytical Chemistry	4		
	CI 345	Crit Read Writ & Think	3		CI 449	Instr & Clarm Mgt Sec Ed	3		
	PS 325	Dev Scientific Thought	4		CISP 422	Differentiate Instruction	3		
		Free Elective	3		EDF 435	Classroom Assessment	3		
		Free Elective	2			300/400 Level CHM Elective	4		
	EDF 200	Pre-Residency Clinical	0		EDF 200	Pre-Residency Clinical	0		
	<b>TOTAL HOURS</b>				<b>15</b>	<b>TOTAL HOURS</b>			
						<b>17</b>			
	Summer Term (optional):								

	FALL SEMESTER				SPRING SEMESTER				
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE	
YEAR FOUR	CHM 365	Introductory Biochemistry	3		CI 450	Student Teaching Capstone	12		
	CI 415	Int Meth & Mat: Sec Ed	3						
	CI 470	Level II Clinical Exo	0						
	EDF 475	Schools in a Diverse Society	3						
	CHM 481	Capstone	3						
		Free Elective	3						
	<b>TOTAL HOURS</b>				<b>15</b>	<b>TOTAL HOURS</b>			
						<b>12</b>			
	Summer Term (optional):								

General Education Requirement  
College Requirement  
Major Requirement  
Area of Emphasis

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

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## INVOLVEMENT OPPORTUNITIES

- Student Government Association
- Campus Activity Board
- JMELI
- Commuter Student Advisory Board
- Club Sports
- Religious Organizations
- Political Organizations
- Residence Hall Association
- Cultural Organizations
- National Society of Leadership and Success
- Greek Life

## RELATED MAJORS

- Biological Science
- Biochemistry
- Environmental Science
- Elementary Education
- General Science Education 5-Adult

## GRADUATION REQUIREMENTS

- Have a minimum of 120 credit hours (some colleges or majors require more);
- Have an overall and Marshall Grade Point Average of 2.00 or higher;
- Have an overall Grade Point Average of 2.00 or higher in the major area of study;
- Have earned a grade of C or better in English 201 or 201 H;
- Have met all major(s) and college requirements;
- Have met the requirements of the Core Curriculum;
- Have met the residence requirements of Marshall University, including 12 hours of 300/400 level coursework in the student's college (see section entitled "Residence Requirements" in the undergraduate catalogue);
- Be enrolled at Marshall at least one semester of the senior year;
- Have transferred no more than 72 credit hours from an accredited West Virginia two-year institution of higher education.

Colleges and specific programs may have unique requirements that are more stringent than those noted above. Students are responsible for staying informed about and ensuring that they meet the requirements for graduation.

This academic map is to be used as a guide in planning your coursework toward a degree. Due to the complexities of degree programs, it is unfortunate but inevitable that an error may occur in the creation of this document. The official source of degree requirements at Marshall University is DegreeWorks available in your myMU portal. Always consult regularly with your advisor.

# CHEMISTRY 9-ADULT – 2023-2024

## YEAR ONE



Have questions? Need to talk? You already have a Friend-At-Marshall ready to help you succeed. Find your FAM Peer Mentor here: [www.marshall.edu/fam](http://www.marshall.edu/fam)



Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.



In order to graduate on time, you need to take an average of 15 credits per semester. Are you on track? Take 15 to Finish!



Volunteer in local museums, non-profit agencies, dog shelters, hospitals, libraries, festivals, or women's shelters.



Take a career self-assessment to help determine what majors fit your talents and interests and consider job shadowing opportunities.



Sign up for Handshake! Handshake is the #1 place to launch a career with no connections, experience, or luck required. The platform connects up-and-coming talent with 650,000+ employers.



Join or create a club or organization on campus about a particular issue you care about. Marshall has more than 200 student organizations.

## YEAR THREE



Develop relationships with professors who can serve as future references by attending their office hours.



Take a pulse check. Know what you need to do every year to keep your grants, scholarships, or federal financial aid.



Are you on track to graduate? Meet with your advisor for your Junior Eval to make sure you know what requirements you have left.



Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.



Apply theory to practice (Complete Level II Clinical Experience).



Work with a faculty mentor to determine what professional certifications are available to assist you in meeting your career goals.



Inquire about available Teacher-In-Residence opportunities.

## YEAR TWO



Are you completing enough credits to graduate on time? Dropping or failing a class can put you behind. Use summer terms to quickly get back on track.



Attend civic meetings, such as the school board, neighborhood associations, city council, or important state legislative sessions.



Take a pulse check. Know what you need to do every year to keep your grants, scholarships, or federal financial aid.



Develop relationships with professors who can serve as future references by attending their office hours.



Plan on taking the Praxis Core Exam and completing the ADM1 4 Portfolio in LiveText.



Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.



Observe in a P-12 Classroom (Complete Level I Clinical Experience)

## YEAR FOUR



This is it! Are you on track to graduate? Meet with your advisor for your Senior Eval to see what requirements you have left.



Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.



Networking is key! Attend a Career Expo to seek employment opportunities and network with employers in your field.



Integrate knowledge, skills, and dispositions during the Student Teaching internship.



Want to continue your education and increase your opportunities? Talk to a faculty member about whether graduate school fits your career goals.



Strengthen your resume and enhance your presentation skills. Present what you've learned at an academic conference off campus.



Be at the top of your professional game! Prepare a final resume and practice your interview skills with a career coach in Career Education.

## TRANSFERABLE SKILLS ASSOCIATED WITH THIS MAJOR

- Communication Skills
- Creativity
- Instructional and Curriculum Development Skills
- Public Speaking Ability

## ASSOCIATED CAREERS

- Middle/High School Science Teacher
- Public Science Center Coordinator
- Educational Coordinator
- School Administrator



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