#### CURRICULUM PLAN COLLEGE OF EDUCATION 2024-2025

# 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: CRIT		CORE 2:								
CODE	COURSE NAME		HRS	GRADE		CODE CO	URSE NAME		HRS	GRADE
FYS 100	First Year Seminar	٠	3		-	ENG 101	Beginning Composition	•	3	
	Critical Thinking Course	٠	3		-	ENG 201	Advanced Composition	•	3	
	Critical Thinking Course	٠	3		-	CMM 103	Fund Speech-Communication	•	3	
						MTH 127/130	College Algebra	• •	3-5	
Additiona	al University Requirements				-	CHM 211/217	Principles of Chemistry I	• •	5	
	Writing Intensive		3				Core II Humanities	•	3	
	Writing Intensive		3				Core II Social Science	•	3	
	Multicultural or International		3				Core II Fine Arts	•	3	
CHM 481	Capstone		3							

#### TEACHING SPECIALIZATION

All Ch	nemistry 9-/	Adult majors are required to take the fo	ollowin	ng cou	rses:						
	CODE	COURSE NAME		HRS	GRADE	CODE	COURSE NAME		HRS	GRADE	
	CHM 211	Principles of Chemistry I	• •	3			300/400 CHM Elective	۲	3-5		
	CHM 217	Principles of Chemistry I Lab	٠	2		MTH 127	College Algebra	•	3-5		ż
	CHM 212	Principles of Chemistry II	• •	3		or 130					study
	CHM 218	Principles of Chemistry II Lab	٠	2		MTH 140	Calculus	• •	3-5		Jou
	CHM 327	Intro Organic Chemistry	٠	3		or 229					, plai
	CHM 345	Intro to Analytical Chemistry	٠	4		PS 325	Dev Scientific Though	٠	4		nov
	CHM 357	Intro Physical Chemistry	٠	3		CHM 481	Applications of Chemical Ed (C)	٠	3		se in
	CHM 365	Introductory Biochemistry	•	3							our

#### **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	
<b>•</b>	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	Residency I	•	0			Free Elective	2	
	CI 451	Residency II – Secondary	•	12			Free Elective	1	

#### MAJOR INFORMATION Admission requirements for ADMI 4:

- 1. Grade Point Average of 2.80 or higher (both MU and overall), 2. EDF 201 (grade "C" or better) and EDF 200 (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:
- 1. 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 Residency II:

1. 2.8 GPA overall, at MU, and in Teaching Specialization, 2. 3.0 GPA in Professional Education Core.

 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.

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- 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.

FOUR YEAR PLAN COLLEGE OF EDUCATION 2024-2025 **SECONDARY EDUCATION CHEMISTRY 9-ADULT** 

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

			FALL SEMESTER						SPRING SEMESTER			
		CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		HRS	GR/
		MTH 127/	130 College Algebra	• •	3-5			CHM 211	Principles of Chemistry I	• •	3	
	-	CMM 103	Fund Speech Communication	n 🔹	3		-	CHM 217	Principles of Chemistry I Lab	• •	2	
ONE	-	ENG 101	Beginning Composition	•	3		-	ENG 201	Advanced Composition	•	3	
0		FYS 100	First Yr Sem Critical Thinking	•	3			MTH 140	Calculus	•	3-5	
AR			Core II Fine Arts	•	3			or 229				
YEAR		UNI 100	Freshman First Class		1				Core II Social Science (CT, M/I)	•	3	
		TOTAL HO			16-1	8		TOTAL HO	DURS		14-1	6
	Sum	mer Term (op	tional):									
			FALL SEMESTER						SPRING SEMESTER			
		CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		HRS	GR
		CHM 212	Principles of Chemistry II	۵	3			CHM 357	Intro Physical Chemistry	۵	4	
		CHM 218	Principles of Chemistry II Lab	•	2		-	CISP 421	Child with Exceptionalities	•	3	
0			International or Multicultural	•	3			EDF 201	Ed Psych Developing Learner	٠	3	
TWO			Writing Intensive (CT)	•	3			EDF 200	Pre-Residency Clinical	•	0	
ы			Free Elective		3				Core II Humanities (WI)	•	3	
YEAR			Free Elective		1				Free Elective		3	
×		EDF 200	Pre-Residency Clinical	•	0							
		TOTAL HO	URS		15			TOTAL HO	DURS		16	
	Sum	mer Term (op	tional):									
			FALL SEMESTER						SPRING SEMESTER			
		CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		HRS	GR
		CHM 327	Intro Organic Chemistry	۲	3			CHM 345	Intro to Analytical Chemistry	٠	4	
[-1		CI 345	Crit Read Writ & Think	•	3			CI 449	Instr & Clarm Mgt Sec Ed	•	3	
E		PS 325	Dev Scientific Though	•	4			CISP 422	Differentiate Instruction	•	3	
THREE			Free Elective		3			EDF 435	Classroom Assessment	•	3	
			Free Elective		2				300/400 Level CHM Elective	٠	4	
EAR		EDF 200	Pre-Residency Clinical	•	0			EDF 200	Pre-Residency Clinical	•	0	
ΥE												
		TOTAL HO	URS		15			TOTAL HO	DURS		17	
	Sum	mer Term (op	tional):									
		_	FALL SEMESTER			_		_	SPRING SEMESTER			
		CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		HRS	GR
		CHM 365	Introductory Biochemistry	•	3			CI 451	Residency II – Secondary	٠	12	_
		CI 415	Int Meth & Mat: Sec Ed	•	3				, ,			
		CI 470	Residency I	٠	0							
JR		EDF 475	Schools in a Diverse Society	•	3							
OUR		CHM 481	Capstone	•	3							
R FOUR					3							
AR FOUR			Free Elective									
YEAR FOUR			Free Elective									
YEAR FOUR		TOTAL HO			15			TOTAL HO	DURS		12	

### 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 twoyear 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.

Have guestions? 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 



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





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back on track.

Develop relationships with professors

who can serve as future references by

attending their office hours.

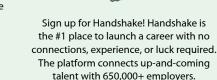
Stay on the Herd Path and come

to class! Class attendance is more

important to your success than

your high school GPA, your class

standing, or your ACT/SAT scores.



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**YEAR ONE** 

Stav on the Herd Path and come

to class! Class attendance is more

important to your success than

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standing, or your ACT/SAT scores.

# **YEAR TWO**



Attend civic meetings, such as Are you completing enough credits the school board, neighborhood to graduate on time? Dropping or failing a class can put you behind. associations, city council, or important state legislative sessions. Use summer terms to quickly get



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In order to graduate on time, you

need to take an average of 15

credits per semester. Are you on

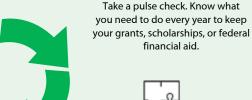
track? Take 15 to Finish!

Volunteer in local museums,

non-profit agencies, dog shelters,

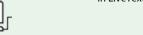
hospitals, libraries, festivals, or

women's shelters.





and completing the ADMI 4 Portfolio in LiveText.



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

# **CHEMISTRY 9-ADULT – 2024-2025**

# **YEAR THREE**







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



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.



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 FOUR**



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.



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

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

requirements you have left.

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Integrate knowledge, skills, and

dispositions during the Student

Teaching internship.

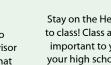
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Strengthen your resume and

enhance your presentation skills.

Present what you've learned at an

academic conference off campus.

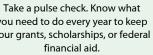


#### TRANSFERABLE SKILLS ASSOCIATED WITH THIS MAJOR

- 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





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



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



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



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



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