

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 | _____ |

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 | _____ |

Additional University Requirements

| | | | |
|---------|--------------------------------|---|-------|
| _____ | Writing Intensive | 3 | _____ |
| _____ | Writing Intensive | 3 | _____ |
| _____ | Multicultural or International | 3 | _____ |
| CHM 481 | Capstone | 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 | 3-5 | _____ |
| CHM 212 | Principles of Chemistry II | 3 | _____ | or 130 | | | |
| CHM 218 | Principles of Chemistry II Lab | 2 | _____ | MTH 140 | Calculus | 3-5 | _____ |
| CHM 327 | Intro Organic Chemistry | 3 | _____ | or 229 | | | |
| CHM 345 | Intro to Analytical Chemistry | 4 | _____ | PS 325 | Dev Scientific Thought | 4 | _____ |
| CHM 357 | Intro Physical Chemistry | 3 | _____ | CHM 481 | Applications of Chemical Ed (C) | 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 | Residency I | 0 | _____ | _____ | Free Elective | 2 | _____ |
| CI 451 | Residency II – Secondary | 12 | _____ | _____ | Free Elective | 1 | _____ |

MAJOR INFORMATION

Admission requirements for ADMI 4:

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

- 2.8 GPA overall, at MU, and in Teaching Specialization,
- 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.
- 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.

Area of Emphasis

Major Requirement

College Requirement

General Education Requirement

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.

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.

| YEAR ONE | FALL SEMESTER | | | | | SPRING SEMESTER | | | | | |
|----------|--------------------|--------------------------------|-----|-------|--------------|--------------------|----------------------------------|-----|-------|--------------|--|
| | CODE | COURSE NAME | HRS | GRADE | | CODE | COURSE NAME | HRS | GRADE | | |
| | 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 | 3-5 | | | |
| | | Core II Fine Arts | 3 | | | or 229 | | | | | |
| | UNI 100 | Freshman First Class | 1 | | | | Core II Social Science (CT, M/I) | 3 | | | |
| | TOTAL HOURS | | | | 16-18 | TOTAL HOURS | | | | 14-16 | |

Summer Term (optional):

| YEAR TWO | FALL SEMESTER | | | | | SPRING SEMESTER | | | | | |
|----------|--------------------|--------------------------------|-----|-------|-----------|--------------------|-----------------------------|-----|-------|-----------|--|
| | CODE | COURSE NAME | HRS | GRADE | | CODE | COURSE NAME | HRS | GRADE | | |
| | 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 | | | | | | | | |
| | TOTAL HOURS | | | | 15 | TOTAL HOURS | | | | 16 | |

Summer Term (optional):

| YEAR THREE | FALL SEMESTER | | | | | SPRING SEMESTER | | | | | |
|------------|--------------------|-------------------------|-----|-------|-----------|--------------------|-------------------------------|-----|-------|-----------|--|
| | CODE | COURSE NAME | HRS | GRADE | | CODE | COURSE NAME | HRS | GRADE | | |
| | 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 Though | 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 | | | |
| | TOTAL HOURS | | | | 15 | TOTAL HOURS | | | | 17 | |

Summer Term (optional):

| YEAR FOUR | FALL SEMESTER | | | | | SPRING SEMESTER | | | | | |
|-----------|--------------------|------------------------------|-----|-------|-----------|--------------------|--------------------------|-----|-------|-----------|--|
| | CODE | COURSE NAME | HRS | GRADE | | CODE | COURSE NAME | HRS | GRADE | | |
| | CHM 365 | Introductory Biochemistry | 3 | | | CI 451 | Residency II - Secondary | 12 | | | |
| | CI 415 | Int Meth & Mat: Sec Ed | 3 | | | | | | | | |
| | CI 470 | Residency I | 0 | | | | | | | | |
| | EDF 475 | Schools in a Diverse Society | 3 | | | | | | | | |
| | CHM 481 | Capstone | 3 | | | | | | | | |
| | | Free Elective | 3 | | | | | | | | |
| | TOTAL HOURS | | | | 15 | TOTAL HOURS | | | | 12 | |

Summer Term (optional):

Area of Emphasis

Major Requirement

College Requirement

General Education Requirement

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.