Undergraduate-only, Initial Teacher Licensure Program
产 B.S. in Middle Grades Education

## Pedagogical Knowledge \& Pedagogical Content Knowledge Requirements

Courses Required for Teacher Education Admission: Grade of " $C$ " or higher required in each course

$\left.$|  | Requirement | Course | Course Title | Credits | Pre/Co-Requisites/Notes |
| :---: | :---: | :---: | :---: | :---: | :---: | | Semester |
| :---: |
| Offered | \right\rvert\,

Middle Grades Education Major Coursework: Grades of "B-" or higher required in all courses unless otherwise indicated.

|  | Requirement | Course | Course Title | Credits | Pre/Co-Requisites/Notes | Semester Offered |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\square$ |  | EDUC $200{ }^{1}$ | Foundations of Education in the United States | 3 | Required for Teacher Education admission; grade of "C" or higher | FA/SP/SU |
| $\square$ |  | EDUC 310 ${ }^{12}$ | Teaching in a Diverse Society | 3 | C: MIED 211 and LED 212 | FA/SP/SU |
| $\square$ | VDOE: Literacy | LED 212 | Found. of Lit. for Middle School Teachers | 3 | C: EDUC 310 and MIED 211 | FA |
| $\square$ |  | MIED 211 | Field Experience in Middle Education | 1 | C: EDUC 310 and LED 212 | FA |
| $\square$ |  | EXED $200{ }^{\prime}$ | Foundations of Exceptional Education | 3 |  | FA/SP/SU |
| $\square$ |  | MSSE $370^{13}$ | Gen. Instructional Methods for Grades 6-12 | 3 | P: EDUC 310, LED 212, MIED 211 | FA/SP |
| $\square$ | Middle School Teaching Methods and Practicum | MSSE $414{ }^{134}$ | Natural Sciences Teaching Methods, Grades 6-8 | 3 | C: MSSE 415 | FA |
| $\square$ |  | MSSE $415{ }^{134}$ | Field Exp. in Middle Grades Education | 3 | C: MSSE 414 | FA/SP |
| $\square$ | VDOE: Assessment | MSSE 425 ${ }^{134}$ | Assessment in Middle \& Secondary Educ. | 3 |  | SP |
| $\square$ | VDOE: Content Area Lit. | LED 440 ${ }^{134}$ | Disciplinary Literacy in Secondary Education | 3 | P: EDUC 310, MIED 211, LED 212 | FA/SP |
| $\square$ | VDOE: Behav. Manag. | MSSE 403 ${ }^{134}$ | Behavior \& Classroom Management... | 3 | recommend fall of senior year | FA/SP |
| $\square$ |  | MSSE 420 ${ }^{134}$ | Differentiation for Adolescents | 3 |  | FA |
| $\square$ |  | MSSE 450 ${ }^{134}$ | Internship Seminar | 2 | C: MSSE 475 | SP |
| $\square$ | Student Teaching | MSSE $4755^{134}$ | Internship in Middle and Secondary | 8 | C: MSSE 450 | SP |
| $\square$ | Pedagogy/Literature | MSSE $455^{134}$ | Special Topics in Pedagogical Content Knowledge |  |  | SP |

${ }^{1}$ Middle Grades Education major declared \& approved
${ }^{3}$ Admission to the Teacher Education Program required
${ }^{2}$ Application to the Teacher Education Program required
${ }^{4}$ Completion of MSSE 370

## Mandatory Tasks:

$\square$ Be admitted to the Teacher Education Program before you enroll in MSSE 370.
$\square$ Attend a Student Teaching Information Meeting in the Fall of your junior year and apply to Student Teaching by October 31 of your junior year.
$\square$ Attempt your Praxis Subject Assessment no later than March 1 of your junior year and pass it no later than August 15 before your senior year. You will not be permitted to student teach until you have a passing score on your Praxis Subject Assessment.

College of Education Department of Middle, Secondary, and Mathematics Education
Memorial Hall, 395 S. High Street, Room 3200, MSC 6912 Harrisonburg, VA 22807 | (540) 568-6486| https://www.jmu.edu/coe/msme/
This document is provided as an advising resource only. Official curriculum requirements are listed in the JMU Undergraduate Catalog. In the case of discrepancies, the University Catalog is the official curriculum students must follow. This document was reviewed by the Middle, Secondary, and Mathematics Education Academic Unit Head on June 1, 2023.

## B.S. Degree Requirements (6 credits)

|  | Requirement | Course <br> Number | Course Name | Credits | Pre/Co-Requisites/Notes | Semester <br> Offered |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\square$ | Scientific Literacy | GEOL 211 | Introduction to Oceanography | 3 |  | FA/SP/SU |
| $\square$ | Quantitative Reasoning |  |  | 3 | Recom. MATH 110 or MATH 210 |  |

## Science Content Knowledge Licensure Requirements...

...as they fit with the JMU Middle Grades Science minor.

|  | Requirement | Course | Course Title | Credits | Pre/Co-Requisites/Notes | Semester Offered |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Option "A" recommended for all requirement categories. Other options are for students switching programs mid-program. |  |  |  |  |  |  |
| $\square$ | Introductory Earth and Planetary Science (choose one) | A: ISCI 171 | Earth and Planetary Science for Teachers (C3NS) | 3 |  | FA/SP |
|  |  | B: GEOL 102 | Environment: Earth (C3NS) | 3 |  | FA/SP |
|  |  | C: GEOL 110 \& | Physical Geology (C3NS) and | 3 | C: GE0L 110L | FA/SP |
|  |  | GEOL 110L | Physical Geology Laboratory (C3L) | 1 | C: GEOL 110 | FA/SP |
| $\square$ | Introductory Physical Science (choose one set of courses) | A: ISCl 172 | Physical Science for Teachers (C3PP) | 3 |  | FA/SP |
|  |  | B: PHYS 140 or PHYS 240 \& | College Physics I (C3PP) or University Physics I (C3PP) and | 3 |  | FA/SP/SU |
|  |  | PHYS 140L or PHYS 240L \& | General Physics Laboratory (C3L) or University Physics Laboratory I (C3L) \& | 1 | P/C: PHYS 140 or PHYS 240 | FA/SP/SU |
|  |  | CHEM 131 \& | General Chemistry I (C3PP) and | 3 | C: CHEM 131L or CHEM 135L | FA/SP/SU |
|  |  | CHEM 131L | General Chemistry Laboratory (C3L) | 1 | C: CHEM 131 | FA/SP/SU |
| $\square$ | Introductory Life Science (choose one set of courses) | A: ISCl 173 | Life and Environmental Science for Teachers (C3L) | 3 |  | FA/SP |
|  |  | B: BIO 140 \& | Foundations of Biology I (C3NS) and | 3 | C: BIO 140L | FA/SP |
|  |  | BIO 140L | Foundations of Biology I Lab. (C3L) | 1 | C: BIO 140 | FA/SP |
| $\square$ | Intermediate Earth and Planetary Science | GEOL 211 | Introduction to Oceanography (C3NS) | 3 |  |  |
| $\square$ | Intermediate Physical Science (choose one set of courses) | A: CHEM 120 | Concepts of Chemistry (C3PP) | 3 |  | SP |
|  |  | B: PHYS 121 | The Physical Nature of Light \& Sound (C3PP) | 4 |  |  |
|  |  | C: CHEM 132 \& | General Chemistry II and | 3 | P: "C-" or higher in CHEM 131 and CHEM 131L or CHEM 135L 132 C: CHEM 132L or CHEM 136L | FA/SP/SU |
|  |  | CHEM 132L | General Chemistry Laboratory | 1 |  | FA/SP/SU |
|  |  | D: PHYS 150 \& | College Physics II and | 3 | P: "C-" or higher in PHYS 140 | SP |
|  |  | PHYS 150L \& | General Physics Laboratory and | 1 | P: PHYS 140L \& PHYS 140 or PHYS 150; C: PHYS 150 | SP |
|  |  | E: PHYS 250 \& | University Physics II and | 3 | P: "C-" or higher in PHYS 240; C: MATH 236 |  |
|  |  | PHYS 250L | University Physics Laboratory II | 1 | P: PHYS 140L, PHYS 140, PHYS 150; C: PHYS 250 |  |
| $\square$ | Intermediate Life Science | BIO 150 \& | Foundations of Biology II and | 3 | P: "C-" or higher in BIO 140 \& BIO 140L; 150 C: BIO 150L | FA/SP |
|  |  | BIO 150L | Foundations of Biology II Laboratory | 1 | C: BIO 150 | FA/SP |
| $\square$ | Comprehensive Nature of Science | IDLS 395 | Topics in IDLS | 3 | Contact your minor advisor for more details. | FA |

The MSME Department recommends students meet with their minor advisor each semester to review program sequencing and determine possible substitute courses to meet program and license requirements.

## General Education Requirements

Be sure to follow the General Education course suggestions listed below for maximum overlap of the General Education Program with your Middle Grades Education major and Middle Grades Science minor.

|  | Requirement | Course | Course Title | Credits | Pre/Co-Requisites/Notes | Semester <br> Offered |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\square$ | Critical Thinking (C1CT) |  |  |  |  |  |

