

Chemistry Bachelor of Science Major/Pre-Professional Secondary Education Minor Suggested Academic Plan

Use the Chemistry Endorsement Requirements Checklist on the MSME Website for more information and guidance on course selection.

| Year 1 | Fall | Cr. | Spring | Cr. | Summer | Cr. | |
|---|-----------------------------------|-----|--------------------------------------|-------------------------------|------------------------------|--|--|
| <i>Students must complete all Madison Foundations courses by end of first year.</i> | WRTC 103 (C1W) | 3 | CHEM 132 (BS Scientific Literacy) | 3 | *Take VCLA | | |
| | CHEM 131 (C3PP) | 3 | CHEM 136L (spring only) | 2 | *Take ALEKS/Praxis Core Math | | |
| | CHEM 135L (C3L; fall only) | 1 | C1CT or C1HC | 3 | *Complete CPR/First Aid/AED | | |
| | C1HC or C1CT | 3 | MATH 232 (BS Quantitative Reasoning) | 3 | | | |
| | MATH 231 (C3QR) | 3 | C2HQC | 3 | | | |
| | EDUC 200 | 3 | | | | | |
| | *Attend TE meeting in November. | | | | | | |
| | Total Credits | 16 | Total Credits | 15 | Total Credits | | |
| Year 2 | Fall | Cr. | Spring | Cr. | Summer | Cr. | |
| | C5WD | 3 | CHEM 242 (spring only) | 3 | | | |
| | CHEM 241 (fall only) | 3 | CHEM 288L (spring only) | 2 | | | |
| | CHEM 287L (fall only) | 2 | CHEM 270 (spring only) | 3 | | | |
| | MATH 236 | 4 | BIO 140 (C3NS) | 3 | | | |
| | PSYC 160 (C5SD) | 3 | BIO 140L | 1 | | | |
| | MSSE 101 | 1 | C2VPA | 3 | | | |
| | | | | *Be admitted to TE by 3/1 | | | |
| | Total Credits | 16 | Total Credits | 15 | Total Credits | | |
| Year 3 | Fall | Cr. | Spring | Cr. | Summer | Cr. | |
| <i>Enrollment in MSSE 370 and MSSE 371 requires admission to the Teacher Education Program and must be completed no later than spring of junior year.</i> | EDUC 310 | 3 | MSSE 370 | 3 | | | |
| | CHEM 351 (fall only) | 4 | MSSE 371 | 1 | | | |
| | CHEM 481 (fall only) | 1 | CHEM 352 (spring only) | 3 | | | |
| | PHYS 240 | 3 | CHEM 352L (spring only) | 2 | | | |
| | PHYS 240L (fall only) | 1 | CHEM 482 (spring only) | 1 | | | |
| | CHEM 325 (fall, odd years) | 1 | PHYS 250 | 3 | | | |
| | GEOL 355 (fall only) | 3 | PHYS 250L (spring only) | 1 | | | |
| | Total Credits | 16 | Total Credits | 14 | Total Credits | | |
| Year 4 | Fall | Cr. | Spring | Cr. | Summer - GRAD | Cr. | |
| <i>MSSE 370, MSSE 371, and EDUC 310, must be completed before enrolling in MSSE 414, MSSE 415, and LED 440.</i> | MSSE 414 (fall only) | 3 | CHEM 331 (spring only) | 3 | EDUC 540 | 3 | |
| | MSSE 415 | 3 | CHEM 336L (spring only) | 2 | EXED 512 | 3 | |
| | LED 440 | 3 | C4AE | 4 | MSSE 607 | 3 | |
| | CHEM 361 | 3 | C4GE | 3 | MSSE 625 | 3 | |
| | C2L | 3 | Elective | 3 | | | |
| | *Attend Student Teaching meeting. | | | *Apply to graduate undergrad. | | *Passing score on Praxis SA required by August 15. | |
| | *Apply to Graduate School | | | *Attempt Praxis SA by 3/1. | | | |
| | Total Credits | 15 | Total Credits | 15 | Total Credits | 12 | |

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| Year 5 | Fall - GRAD | Cr. | Spring - GRAD | Cr. | Summer | Cr. |
|--------|---|-----|-----------------------------------|-----|------------------------------------|-----|
| | MSSE 544 (fall only) | 3 | MSSE 650 | 3 | <i>*Apply for Teaching License</i> | |
| | MSSE 549 (fall only) | 3 | MSSE 675 #1 (student teaching) | 3 | | |
| | EXED 520 | 3 | MSSE 675 #2 (student teaching) | 3 | | |
| | MSSE 630 (fall only) | 3 | | | | |
| | | | | | | |
| | | | | | | |
| | <i>*Apply to graduate Graduate School</i> | | <i>*Graduate from grad school</i> | | | |
| | Total Credits | 12 | Total Credits | 9 | Total Credits | |