JMU Department of Chemistry and Biochemistry

ALL Majors And Concentrations

Major requirements (50 cr)

- CHEM 131-132, 135L-136L
- CHEM 241-242, 287L-288L, 270
- CHEM 331, 351, 361, 481-482
- MATH 235 (or 231-232), 236
- PHYS 240-250, 240L-250L (or 140L-150L prior to fall 2018)

Chemistry major, Conc I-IV: ACS Certified Programs

ACS Program requirements

- CHEM 352, 352L, 432, 438L
- Min 400 hrs lab course & research

I: ACS Certified Chemistry

Additional requirements

- CHEM 470
- MATH 237, 238
- At least 55 additional lab hrs

II: ACS Certified Biochemistry

Additional requirements

- CHEM 362, 366L
- (no additional lab hrs required)

III: ACS Certified Materials

Additional requirements

- CHEM 375, 445, 445L, & ISAT 432
- One: CHEM 485 or ENGR 314 or ENGR 498 or GEOL 390
- (substitute for 438L)
- MATH 237, 238
- At least 40 additional lab hrs

IV: ACS Certified Chem Ed

Additional requirements

- BIO, GEOL, PSYC 160
- EDUC 300, 310, 470, 471
- MSSE 370-371, READ440
- At least 55 additional lab hrs

Chemistry major, Conc V:

General Program

Additional Requirements

- CHEM 336L, 352, 352L
- At least ONE Upper Div Chem Elective

Chemistry major, Conc VI:

Chem/Business Program

Additional Requirements

- CHEM 336L
- At least ONE Upper Div Chem Elective
- ACCTG 244, CIS 204, ECON 201, ECON 200
- FIN 345, MGT 305, MKTG 380, MATH 220

Biophysical Chemistry major

Additional Major Requirements

- CHEM 336L, 363, 367L, 368L, 432
- BIO 140, 240, 480
- MATH 237, 238
- At least Two Approved Electives

Chemistry major, Conc V:

Chem/Business Program

Additional Requirements

- CHEM 336L
- At least ONE Upper Div Chem Elective
- ACCTG 244, CIS 204, ECON 201, ECON 200
- FIN 345, MGT 305, MKTG 380, MATH 220

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