

**Biophysical Chemistry major
Additional Major Requirements**

CHEM 336L,363,367L,368L,432,482
BIO 140,240,480
MATH 237,238
At least Two Approved Electives

**Chemistry major, Conc I-III:
ACS Certified Programs**

ACS Program Requirements
CHEM 352,352L,432,438L,482
Min 400 lab hrs - 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**

BIO 140,240,245,480
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

ALL Majors And Concentrations

Major requirements (49 cr)

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

**JMU
Department
of Chemistry
and
Biochemistry**

**Chemistry major, Conc V:
General Program**

Additional Requirements
CHEM 336L,352,352L,482
At least ONE Upper Div Chem Elective

**Chemistry major, Conc VI:
Chem/Business Program
Additional Requirements**

CHEM 336L,482
At least ONE Upper Div Chem Elective
ACCTG 244, CIS 204, ECON 201, ECON 200
FIN 345, MGT 305, MKTG 380, MATH 220

**Chemistry major, Conc VII:
Chem Ed/Secondary Ed
(4-year program for teacher licensure)
Additional Requirements**

CHEM 325,336L,397, ISCI 173,
PSYC 160, WRTC 103, EDUC 165,300,310,
MSSE 240,303,425,450,460,475S,471S,475,
480S,481S,495, LED 440
See Dr. Reisner as this program is modified