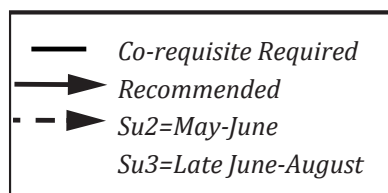


Chemistry Major

Concentration: General

Sequence of Courses



RESTRICTED ELECTIVES
 Select from one of the options:
 a. CHEM 451 with CHEM 452 and 9 credits from the following list:
 OR
 b. CHEM 351 and 11 credits from the following list:

▪ CHEM 321	▪ CHEM 472
▪ CHEM 411	▪ CHEM 475
▪ CHEM 415	▪ CHEM 482
▪ CHEM 454	▪ CHEM 487
▪ CHEM 455	▪ CHEM 488
▪ CHEM 456	▪ CHEM 489
▪ CHEM 457	▪ CHEM 497
▪ CHEM 465	▪ CHEM 498
▪ CHEM 471	▪ CHEM 499

See elective box

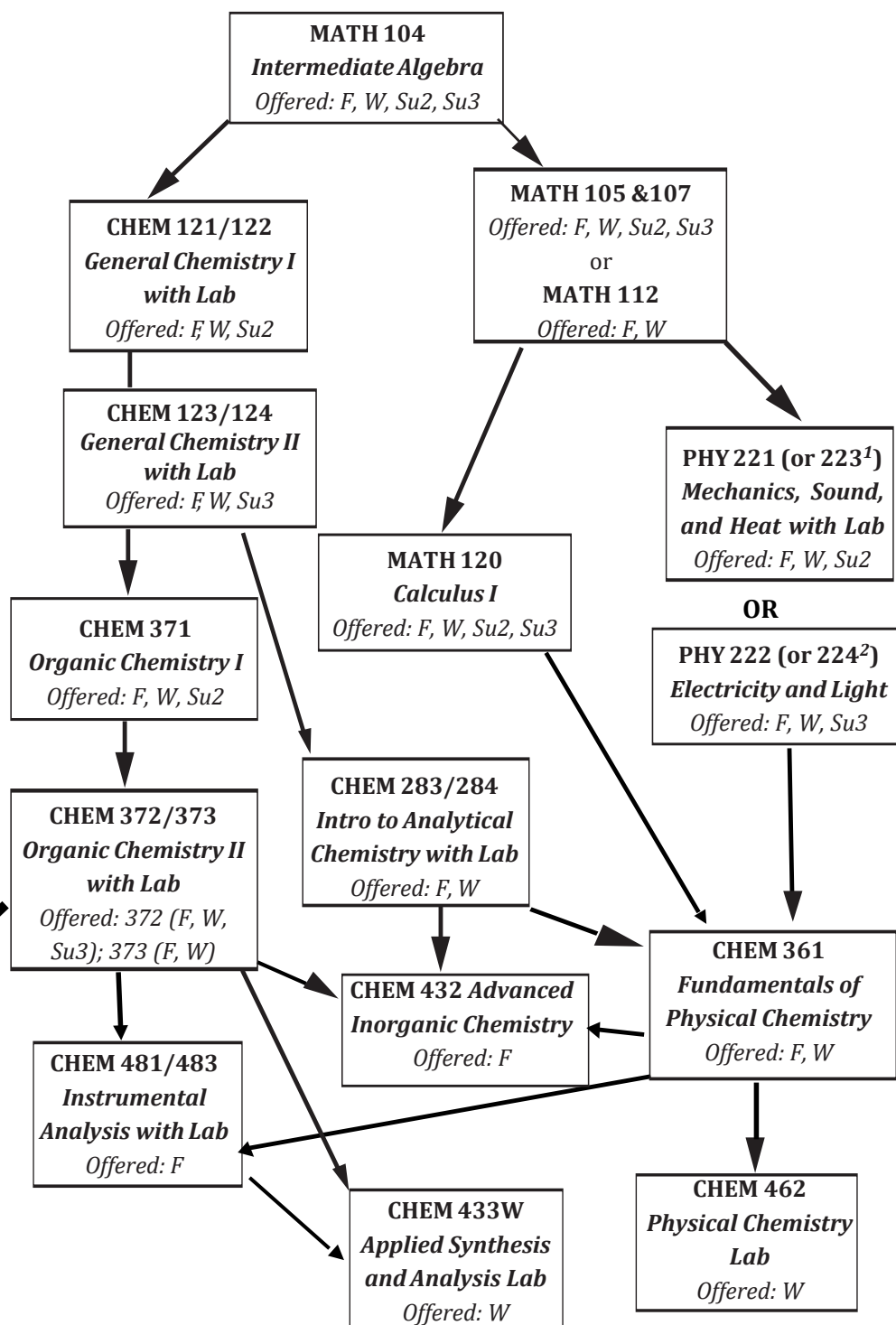
CHEM 351
Foundations of Biochemistry
 Offered: F, W, Su3

OR

CHEM 451
Biochemistry I
 Offered: F

↓

CHEM 452
Biochemistry II
 Offered: W



NOTES:

1. MATH 120 is a pre-requisite for PHY 223
2. MATH 121 is a pre-requisite for PHY 224.
3. FERM 101 is a pre-requisite for elective advanced FERM courses.

See second page for more information on elective options.

Elective Options for the Chemistry Major

Effective Fall 2022

Concentration: General

Updated: Feb. 2022

Either take CHEM 451 with CHEM 452 and nine(9) hours from the following or CHEM 351 and eleven (11) hours from the following:

(F) = Offered every fall

(F-E) = Offered fall of even years

(F-O) = Offered fall of odd years

(SU) = Offered every summer

(W) = Offered every winter

(W-E) = Offered winter of even years

(W-O) = Offered winter of odd years

(NR) = Not regularly offered

BIOCHEMISTRY COURSES

CHEM 411 *Toxicology I* (F) 2 hrs

CHEM 454 *Protein Structure and Function* (W-O) 3 hrs

CHEM 455 *Neurochemistry* (F) 3 hrs

CHEM 456 *Cell Signaling* (W-E) 3 hrs

CHEM 457 *Medicinal Chemistry and
Drug Design* (W-O) 3 hrs

OTHER CHEMISTRY COURSES

CHEM 321 *Sensory Analysis of Fermented Products* (W-O) 2 hrs

CHEM 415 *Environmental Chemistry* (F) 3 hrs

CHEM 465 *Quantum and Statistical Mechanics* (W-O) 3 hrs

Pre-requisite: MATH 121

CHEM 471 *Advanced Organic Chemistry* (W-O) 3 hrs

CHEM 472 *Spectrometric Organic Structure Determination* (F-O) 3 hrs

CHEM 475 *Introduction to Polymer Chemistry* (NR) 3 hrs

CHEM 482 *Archaeological Chemistry* (W-O) 3 hrs

COOPERATIVE AND RESEARCH CHEMISTRY COURSES

CHEM 487 *Cooperative Education in Chemistry* (F, W, Su) 1 hr

CHEM 488 *Cooperative Education in Chemistry* (F, W, Su) 2 hrs

CHEM 489 *Cooperative Education in Chemistry* (F, W, Su) 3 hrs

CHEM 497 *Research in Chemistry* (F, W, Su) 1 hr

CHEM 498 *Research in Chemistry* (F, W, Su) 2 hrs

CHEM 499 *Research in Chemistry* (F, W, Su) 3 hrs