

Chemistry Major- Certified Degree Option

Student _____
 Last, First MI Student ID

CORE AREA A: ESSENTIAL SKILLS

ENGL 1101..... 3 _____
 ENGL 1102..... 3 _____
^aMATH 1113..... 3 _____
 (Or with course substitution form)
 MATH 1111 plus MATH1112..... (6) _____
TOTAL HOURS..... 9 _____

CORE AREA B: PERSPECTIVES

(Must be from two different areas)
 PERS..... 2 _____
 PERS..... 2 _____
TOTAL HOURS..... 4 _____

CORE AREA C: HUMANITIES/FINE ARTS

ENGL 2111, 2112 or 2113..... 3 _____
 Area C Elective _____ 3 _____
TOTAL HOURS..... 6 _____

CORE AREA DII A.: SMT

^aMATH 2261 4 _____
 LABORATORY SCIENCE
 _____ 4 _____
 _____ 4 _____
 CARRYOVER TO AREA F < 1 >
TOTAL HOURS..... 11 _____

CORE AREA E: SOCIAL SCIENCES

POLS 1101 3 _____
 US HISTORY HIST 2111 or 2112..... 3 _____
 Area E Elective _____ 3 _____
 Area E Elective _____ 3 _____
TOTAL HOURS..... 12 _____

CORE AREA F: (to total 18 hours): COURSES APPROPRIATE TO THE MAJOR

^aCalculus II (2262) 4 _____
^bPrinciples of Chemistry I (1211) 3 _____
^bPrinciples of Chemistry I Lab (1211L)..... 1 _____
^bPrinciples of Chemistry II (1212)..... 3 _____
^bPrinciples of Chemistry II Lab (1212L)..... 1 _____
 Quantitative Analysis (2310)..... 4 _____
^bPhysics I (2211K) 4 _____
^bPhysics II (2212K) 4 _____
 Carryover from D..... 1 _____
^cTOTAL (must equal 18)

CHEMISTRY MAJOR

^dPrinciples of Chemistry I (1211) 3 _____
^dPrinciples of Chemistry I Lab (1211L) 1 _____
^dPrinciples of Chemistry II (1212) 3 _____
^dPrinciples of Chemistry II Lab (1212L) 1 _____
 Sophomore Seminar (2210)..... 1 _____
^dQuantitative Analysis (2310) 4 _____
^{*}Organic Chemistry I (3401) 4 _____
^{*}Organic Chemistry II (3402) 4 _____
^{*}Inorganic Chemistry (3510) 4 _____
^{*}Biochemistry I (3601) 3 _____
^{*}Laboratory Techniques in Biochemistry (3601L). 2 _____
^{*}Physical Chemistry I (3801)..... 4 _____
^{*}Physical Chemistry II (3802) 4 _____
^{*}Instrumental Analysis (4310) 4 _____
^{*}Upper Division Chemistry Electives (6 hours)
 (No more than 4 hours should be CHEM 4910)
 Recommended: Biochemistry II (3602).....3 _____

 Senior Seminar (4210)..... 1 _____
Total Hours..... _____
 Upper Division hours to total at least 39; Total hours to equal 120.

^{*}Upper Division
^aChemistry Majors must take MATH 1113 in Area A and MATH 2261 in Area D
^bUnless taken in Area D
^cHours in excess of 18 will count in the senior college curriculum
^dUnless taken in Area D or F

FOREIGN LANGUAGE (9 Hrs; 3 hrs may count in Area C) Foreign Language is _____

_____ 3- _____
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Electives (to give 120 total hours; 39 upper division hrs)

Recommended Elective:

Ordinary Differential Equations (MATH 3340)... 3 _____

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Upper Division Hours = _____

Total hours = _____

Upper Division Hours Outside Major (6 hrs)
(Must be a single subject; NOT CHEM)

_____ _____
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See reverse side for area options