

I. Outline of course requirements for each major

a. BA

Undergraduate Chemistry BA Program							
1 st year		2 nd year		3 rd year		4 th year	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
CHEM1410 & 1411 or	CHEM1420 & 1421 or	CHEM2410 & 2411 or	CHEM2420 & 2421 or	CHEM3410	CHEM3420	CHEM4000 or higher*	Elective
CHEM1810 & 1811	CHEM1820 & 1821	CHEM2810 & 2811	CHEM2820 (no lab)	CHEM3811	CHEM3821	Elective	Elective
MATH1210 or 1310	MATH1220 or 1320	PHYS2010 & 2030 or	PHYS2020 & 2040 or	Area req.	Area req.	Elective	Elective
Writing req.	Area req.	PHYS1425 & 1429	PHYS2415 & 2419	Area req.	Area req.	Elective	Elective
Foreign language							

*CHEM4090, 4320, 4410, 5510, or 5220, etc.

b. BS

Undergraduate Chemistry BS Program							
1 st year		2 nd year		3 rd year		4 th year	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
CHEM1410 & 1411 or	CHEM1420 & 1421 or	CHEM2410 & 2411 or	CHEM2420 & 2421 or	CHEM3410	CHEM3420	CHEM3951	CHEM3961
CHEM1810 & 1811	CHEM1820 & 1821	CHEM2810 & 2811	CHEM2820 (no lab)	CHEM3811	CHEM3821	CHEM4320	CHEM4090
MATH1310	MATH1320	MATH2310, or 3250, or AMPA2130	Area req.	CHEM3910	CHEM3920	CHEM4410	Area req.
Writing req.	Area req.	PHYS2010 & 2030 or	PHYS2020 & 2040 Or	Area req.	CHEM3721 or 3951 (if not taken in 2 nd year)	Area req. or electives	Area req. or electives
		PHYS1425 & 1429	PHYS2415 & 2419	Area req.	Area req.		
Foreign language							

c. BS Biochemistry Specialization

Undergraduate Chemistry BS Biochemistry Program							
1 st year		2 nd year		3 rd year		4 th year	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
CHEM1410 & 1411 or	CHEM1420 & 1421 or	CHEM2410 & 2411 or	CHEM2420 & 2421 or	CHEM3410	CHEM3420	CHEM3951*	CHEM3961*
CHEM1810 & 1811	CHEM1820 & 1821	CHEM2810 & 2811	CHEM2820 (no lab)	CHEM4410	CHEM4420	CHEM4411	CHEM4421
MATH1210 or 1310	MATH1220 or 1320	BIOL2100	BIOL2200	CHEM3910*	CHEM3920*	CHEM4320	Area req.
Writing req.	Area req.	PHYS2010 & 2030 or	PHYS2020 & 2040 or	BIOL3000 or 3010	CHEM3721 or 3951 (if not taken in 2 nd year)	Area req. or electives	Area req. or electives
		PHYS1425 & 1429	PHYS2415 & 2419	Area req.	Area req.		
Foreign language							

d. BS Chemical Physics Specialization

Undergraduate Chemistry BS Chemical Physics Program							
1 st year		2 nd year		3 rd year		4 th year	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
CHEM1410 & 1411 or	CHEM1420 & 1421 or	CHEM2410 & 2411 or	CHEM2420 & 2421 or	CHEM3410	CHEM3420	CHEM3951*	CHEM3961*
CHEM1810 & 1811	CHEM1820 & 1821	CHEM2810 & 2811	CHEM2820 (no lab)	CHEM3811	CHEM3821	CHEM4320*	CHEM5224
MATH1310	MATH1320	MATH2310 or 3250, or AMPA2130	Area req.	CHEM3910*	CHEM3920*	CHEM4410*	Area req.
PHYS1610	PHYS1620	PHYS2610	PHYS2620	Area req.	CHEM3721 or 3951 (if not taken in 2 nd year)	CHEM5210	Area req.
Writing req.		PHYS2630, 2030, or 1429	PHYS2640, 2040, or 2419	PHYS Elective	PHYS Elective		
Foreign language							

*Required for ACS certified degree only

e. BS Material Science Specialization

Undergraduate Chemistry BS Material Science Program							
1 st year		2 nd year		3 rd year		4 th year	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
CHEM1410 & 1411 or	CHEM1420 & 1421 or	CHEM2410 & 2411 or	CHEM2420 & 2421 or	CHEM3410	CHEM3420	CHEM3951*	CHEM3961*
CHEM1810 & 1811	CHEM1820 & 1821	CHEM2810 & 2811	CHEM2820 (no lab)	CHEM3811	CHEM4090	CHEM4320	CHEM elective
MATH1310	MATH1320	MATH2310 or 3250, or AMPA2130	Area req.	CHEM3910*	CHEM3920*	CHEM4410*	MSE3101
MSE2090	Area req.	PHYS1425	PHYS2415	MSE3050	CHEM3721 or 3951 (if not taken in 2 nd year)	MSE elective	Area req. or electives
Writing req.		PHYS2630, 2030, or 1429	PHYS2640, 2040, or 2419	Area req.	Area req.		
Foreign language							

*Required for ACS certified degree only

f. BS Environmental Chemistry Specialization

Undergraduate Chemistry BS Environmental Chemistry Program							
1 st year		2 nd year		3 rd year		4 th year	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
CHEM1410 & 1411 or	CHEM1420 & 1421 or	CHEM2410 & 2411 or	CHEM2420 & 2421 or	CHEM3410	CHEM3420	CHEM3951*	CHEM3961*
CHEM1810 & 1811	CHEM1820 & 1821	CHEM2810 & 2811	CHEM2820 (no lab)	CHEM3811*	CHEM4090	CHEM4320	EVSC or CHEM elective**
MATH1210 or 1310	MATH1220 or 1320	EVSC Elective	EVSC Elective	CHEM3910*	CHEM3920*	CHEM4410*	Area req.
Writing req.	Area req.	PHYS1425 & 1429 or	PHYS2415 & 2419 or	Area req.	CHEM3721 or 3951 (if not taken in 2 nd year)	EVSC or CHEM elective**	
		PHYS2010 & 2030	PHYS2020 & 2040	Area req.	Area req.		
Foreign language							

* Required for ACS certified degree only; ** 4000-level CHEM or above, or approved upper-level EVSC courses (3000 to 5000 level). Examples include EVSC 4270, 4933, or additional EVSC core courses

g. BS Chemical Education Specialization

Undergraduate Chemistry BS Chemical Education Program							
1 st year		2 nd year		3 rd year		4 th year	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
CHEM1410 & 1411 or	CHEM1420 & 1421 or	CHEM2410 & 2411 or	CHEM2420 & 2421 or	CHEM4410 or BIOL3030	CHEM3721 or 3951 (if not taken in 2 nd year)	CHEM3410	CHEM3420
CHEM1810 & 1811	CHEM1820 & 1821	CHEM2810 & 2811	CHEM2820 (no lab)	CHEM4320	Area req.	CHEM3811 or 4411	CHEM4090
MATH1210 or 1310	MATH1220 or 1320	BIOL2100 (or BIOL 2200 spring semester)	EVSC2800, 3200, 3300, or 3600 (check course offerings for semester)	PHYS1425 & 1429 or	PHYS2415 & 2419 or	Area req.	Area req.
Writing req.	Area req.	Area req.	Area req.	PHYS2010 & 2030	PHYS2020 & 2040	Electives	Electives
Foreign language							