



KENNESAW STATE
UNIVERSITY

Undergraduate Program Name: B.S. in Chemistry – Pharmaceutical Chemistry
Concentration
Graduate Program Name: M.S. in Chemical Sciences

Pathway Description: Undergraduate students following the 2022 catalog revision for the B.S. in Chemistry – Pharmaceutical Chemistry Concentration may follow this path towards the M.S. in Chemical Sciences.

Course Pairs:

Double Owl Scholars will NOT take the following Chemistry BS courses:	In their place, Double Owl Scholars will take the following Chemical Sciences MS courses:
CHEM 3010 (3)	CHEM 5010 (3)
Supporting Discipline Elective (3)	CHEM 7000 (3)
Supporting Discipline Elective (3)	Grad level elective (3): Any graduate level CHEM* course

* or other graduate course from another department with approval of the program director

Year 1 - Fall	Credits	Year 1 - Spring	Credits
MATH 1113	3	CHEM 1212	3
CHEM 1211	3	CHEM 1212L	1
CHEM 1211L	1	MATH 1190	4
ENGL 1101	3	BIOL elective	4
Area B2	3	ENGL 1102	3
SCM 2000	3		
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	15
Year 2 - Fall	Credits	Year 2 - Spring	Credits
CHEM 3361	3	CHEM 3362	3
CHEM 3361L	1	CHEM 3362L	1
MATH 2202	4	PHYS 2211	3
BIOL elective	4	PHYS 2211L	1
Area E2	3	CHEM 2800	3
		CHEM 2800L	1
		Area C1	3
TOTAL SEMESTER CREDITS	15	TOTAL SEMESTER CREDITS	15
Year 3 - Fall	Credits	Year 3 - Spring	Credits
CHEM 3000	3	CHEM 3500	3
CHEM 4310L	1	CHEM 3500L	1
PHYS 2212	3	ECON 1000	2
PHYS 2212L	1	SCI or Free elective	4
Area C2	3	Area E4	3
Area E3	3	STAT 3125	3

TOTAL SEMESTER CREDITS	14	TOTAL SEMESTER CREDITS	16
Year 4 - Fall	Credits	Year 4 - Spring	Credits
CHEM 3601	3	CHEM 3105	3
CHEM 7000	3	CHEM 3105L	1
GRAD Elective or CHEM 5010	3	SCI or Free Elective	3
POLS 1101	3	GRAD Elective or CHEM 5010	3
SCI or Free Elective	4	CHEM 3030	3
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	13
Year 5 - Fall	Credits	Year 5 - Spring	Credits
Grad Elective	3	CHEM 7100	1
CHEM 7990	3	Grad Elective	3
		CHEM 7990	2
TOTAL SEMESTER CREDITS	6	TOTAL SEMESTER CREDITS	6
Year 6 - Fall	Credits	Year 6 - Spring	Credits
Grad Elective	3	CHEM 7100	1
CHEM 7990	3	CHEM 7990	4
		CHEM 7999	1
TOTAL SEMESTER CREDITS	6	TOTAL SEMESTER CREDITS	6

PATHWAY TOTAL: 120 + 24 = 144



KENNESAW STATE
UNIVERSITY

Undergraduate Program Name: B.S. in Chemistry – Forensic Chemistry
Concentration
Graduate Program Name: M.S. in Chemical Sciences

Pathway Description: Undergraduate students following the 2022 catalog revision for the B.S. in Chemistry – Forensic Chemistry Concentration may follow this path towards the M.S. in Chemical Sciences.

Course Pairs:

Double Owl Scholars will NOT take the following Chemistry, BS courses:	In their place, Double Owl Scholars will take the following Chemical Sciences MS courses:
Supporting Discipline elective (3)	CHEM 7000 (3)
CHEM 3800 (3)	CHEM 5800 (3)
Supporting Discipline elective (3)	Grad level elective (3): Any graduate level CHEM* course

* or other graduate course from another department with approval of the program director

Year 1 - Fall	Credits	Year 1 - Spring	Credits
MATH 1113	3	CHEM 1212	3
CHEM 1211	3	CHEM 1212L	1
CHEM 1211L	1	MATH 1190	4
ENGL 1101	3	CRJU 1101	3
Area B2	3	ENGL 1102	3
SCM 2000	3		
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	14
Year 2 - Fall	Credits	Year 2 - Spring	Credits
CHEM 3361	3	CHEM 3362	3
CHEM 3361L	1	CHEM 3362L	1
MATH 2202	4	PHYS 2211	3
CRJU 3301 or 3320	3	PHYS 2211L	1
Area E2	3	CHEM 2800	3
		CHEM 2800L	1
		Area C1	3
TOTAL SEMESTER CREDITS	14	TOTAL SEMESTER CREDITS	15
Year 3 - Fall	Credits	Year 3 - Spring	Credits
CHEM 3000	3	CHEM 3500	3
CHEM 4310L	1	CHEM 3500L	1
PHYS 2212	3	ECON 1000	2
PHYS 2212L	1	SCI or Free elective	4
Area C2	3	Area E4	3
Area E3	3	STAT elective	3
CHEM 4100	2		

TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	16
Year 4 - Fall	Credits	Year 4 - Spring	Credits
CHEM 3601	3	CHEM 3105	3
CHEM 7000	3	CHEM 3105L	1
CHEM 5800	3	SOCI 4432	3
POLS 1101	3	GRAD Elective	3
SCI or Free Elective	4	CHEM 4300	3
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	13
Year 5 - Fall	Credits	Year 5 - Spring	Credits
Grad Elective	3	CHEM 7100	1
CHEM 7990	3	Grad Elective	3
		CHEM 7990	2
TOTAL SEMESTER CREDITS	6	TOTAL SEMESTER CREDITS	6
Year 6 - Fall	Credits	Year 6 - Spring	Credits
Grad Elective	3	CHEM 7100	1
CHEM 7990	3	CHEM 7990	4
		CHEM 7999	1
TOTAL SEMESTER CREDITS	6	TOTAL SEMESTER CREDITS	6

PATHWAY TOTAL: 120 + 24 = 144



KENNESAW STATE
UNIVERSITY

Undergraduate Program Name: B.S. in Chemistry – Integrative Chemistry
Concentration
Graduate Program Name: M.S. in Chemical Sciences

Pathway Description: Undergraduate students following the 2022 catalog revision for the B.S. in Chemistry – Integrative Chemistry Concentration may follow this path towards the M.S. in Chemical Sciences.

Course Pairs:

Double Owl Scholars will NOT take the following Chemistry, BS courses:	In their place, Double Owl Scholars will take the following Chemical Sciences, MS courses:
Integrative elective (3)	CHEM 7000 (3)
Integrative elective (3)	Grad level elective (3): Any graduate level CHEM* course
Integrative elective (3)	Grad level elective (3): Any graduate level CHEM* course

* or other graduate course from another department with approval of the program director

Year 1 - Fall	Credits	Year 1 - Spring	Credits
MATH 1113	3	CHEM 1212	3
CHEM 1211	3	CHEM 1212L	1
CHEM 1211L	1	MATH 1190	4
ENGL 1101	3	Sci or Free elective	4
Area B2	3	ENGL 1102	3
SCM 2000	3		
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	15
Year 2 - Fall	Credits	Year 2 - Spring	Credits
CHEM 3361	3	CHEM 3362	3
CHEM 3361L	1	CHEM 3362L	1
MATH 2202	4	PHYS 2211	3
Sci or Free elective	4	PHYS 2211L	1
Area E2	3	CHEM 2800	3
		CHEM 2800L	1
		Area C1	3
TOTAL SEMESTER CREDITS	15	TOTAL SEMESTER CREDITS	15
Year 3 - Fall	Credits	Year 3 - Spring	Credits
CHEM 3000	3	CHEM 3500	3
CHEM 4310L	1	ECON 1000	2
PHYS 2212	3	SCI or Free elective	5
PHYS 2212L	1	Area E4	3
Area C2	3	Integrative Elective	3
Area E3	3		
TOTAL SEMESTER CREDITS	14	TOTAL SEMESTER CREDITS	16
Year 4 - Fall	Credits	Year 4 - Spring	Credits

CHEM 3601	3	CHEM 3105	3
CHEM 7000	3	CHEM 3105L	1
GRAD Elective	3	CHEM Elective	3
POLS 1101	3	GRAD Elective	3
SCI or Free Elective	4	CHEM 4300 or 3800 or 3030	3
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	13
Year 5 - Fall	Credits	Year 5 - Spring	Credits
Grad Elective	3	CHEM 7100	1
CHEM 7990	3	Grad Elective	3
		CHEM 7990	2
TOTAL SEMESTER CREDITS	6	TOTAL SEMESTER CREDITS	6
Year 6 - Fall	Credits	Year 6 - Spring	Credits
Grad Elective	3	CHEM 7100	1
CHEM 7990	3	CHEM 7990	4
		CHEM 7999	1
TOTAL SEMESTER CREDITS	6	TOTAL SEMESTER CREDITS	6

PATHWAY TOTAL: 120 + 24 = 144



KENNESAW STATE
UNIVERSITY

Undergraduate Program Name: B.S. in Chemistry – ACS Certified Chemistry
Concentration
Graduate Program Name: M.S. in Chemical Sciences

Pathway Description: Undergraduate students following the 2022 catalog revision for the B.S. in Chemistry – ACS Certified Chemistry Concentration may follow this path towards the M.S. in Chemical Sciences.

Course Pairs:

Double Owl Scholars will NOT take the following Chemistry, BS courses:	In their place, Double Owl Scholars will take the following Chemical Sciences MS, courses:
3000/4000 level CHEM (3)	CHEM 7000 (3)
Supporting discipline elective (3)	Grad level elective (3): Any graduate level CHEM* course
Supporting discipline elective (3)	Grad level elective (3): Any graduate level CHEM* course

* or other graduate course from another department with approval of the program director

Year 1 - Fall	Credits	Year 1 - Spring	Credits
MATH 1113	3	CHEM 1212	3
CHEM 1211	3	CHEM 1212L	1
CHEM 1211L	1	MATH 1190	4
ENGL 1101	3	Sci or Free elective	4
Area B2	3	ENGL 1102	3
SCM 2000	3		
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	15
Year 2 - Fall	Credits	Year 2 - Spring	Credits
CHEM 3361	3	CHEM 3362	3
CHEM 3361L	1	CHEM 3362L	1
MATH 2202	4	PHYS 2211	3
Sci or Free elective	4	PHYS 2211L	1
Area E2	3	CHEM 2800	3
		CHEM 2800L	1
		Area C1	3
TOTAL SEMESTER CREDITS	15	TOTAL SEMESTER CREDITS	15
Year 3 - Fall	Credits	Year 3 - Spring	Credits
CHEM 3000	3	CHEM 3500	3
CHEM 4310L	1	CHEM 3500L	1
PHYS 2212	3	ECON 1000	2
PHYS 2212L	1	SCI or Free elective	7
Area C2	3	Area E4	3
Area E3	3		

TOTAL SEMESTER CREDITS	14	TOTAL SEMESTER CREDITS	16
Year 4 - Fall	Credits	Year 4 - Spring	Credits
CHEM 3601	3	CHEM 3105	3
CHEM 3601L	2	CHEM 3105L	1
CHEM 7000	3	CHEM 3602	3
GRAD Elective	3	GRAD Elective	3
POLS 1101	3	CHEM 4300	3
CHEM 4100	2		
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	13
Year 5 - Fall	Credits	Year 5 - Spring	Credits
Grad Elective	3	CHEM 7100	1
CHEM 7990	3	Grad Elective	3
		CHEM 7990	2
TOTAL SEMESTER CREDITS	6	TOTAL SEMESTER CREDITS	6
Year 6 - Fall	Credits	Year 6 - Spring	Credits
Grad Elective	3	CHEM 7100	1
CHEM 7990	3	CHEM 7990	4
		CHEM 7999	1
TOTAL SEMESTER CREDITS	6	TOTAL SEMESTER CREDITS	6

PATHWAY TOTAL: 120 + 24 = 144