



KENNESAW STATE
UNIVERSITY

Double Owl Pathway of Study
Fall 2022

Undergraduate Program Name: B.S. in Biochemistry
Graduate Program Name: M.S. in Chemical Sciences

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

Course Pairs:

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|---|--|
| Double Owl Scholars will NOT take the following Biochemistry, BS courses: | In their place, Double Owl Scholars will take the following Chemical Sciences, MS courses: |
| Supporting discipline elective (3) | CHEM 7000 (3) |
| Supporting discipline elective (3) | GRAD Elective (3): Any graduate level CHEM* course |
| Supporting discipline elective (3) | GRAD 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 1107 | 3 |
| Area B2 | 3 | BIOL 1107L | 1 |
| SCM 2000 | 3 | ENGL 1102 | 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 | BIOL 3300 | 3 |
| BIOL 1108 | 3 | BIOL 3300L | 1 |
| BIOL 1108L | 1 | CHEM 2800 | 3 |
| Area E2 | 3 | CHEM 2800L | 1 |
| | | Area C1 | 3 |
| TOTAL SEMESTER CREDITS | 15 | TOTAL SEMESTER CREDITS | 15 |
| Year 3 - Fall | Credits | Year 3 - Spring | Credits |
| CHEM 3501 | 3 | CHEM 3502 | 3 |
| CHEM 3501L | 1 | CHEM 3512L | 1 |
| PHYS 2211 | 3 | PHYS 2212 | 3 |
| PHYS 2211L | 1 | PHYS 2212L | 1 |
| Area C2 | 3 | ECON 1000 | 2 |
| Area E3 | 3 | SCI or Free elective | 3 |

| | | | |
|-------------------------------|----------------|-------------------------------|----------------|
| | | Area E4 | 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 4500K | 4 |
| POLS 1101 | 3 | GRAD Elective | 3 |
| SCI or Free elective | 3 | Sci or Free elective | 3 |
| TOTAL SEMESTER CREDITS | 15 | TOTAL SEMESTER CREDITS | 14 |
| 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