**Undergraduate Program Name:** BS in Software Engineering
**Graduate Program Name:** MS in Information Technology

## Double Owl Course Pairings

| Double Owl Scholars will NOT take the following BS in Software Engineering courses: | In their place, Double Owl Scholars will take the following MS in Information Technology courses: |
|---|---|
| SWE 4713: SWE Application Domain | IT 6203: IT Design Studio |
| SWE 4723: Undergraduate Research Methods | IT 7913 (IT 6913*): IT Research Seminar in IT |
| IT 4823: Information Security Administration & Privacy | IT 6823: Information Security Concepts & Administration |

*Course number prior to 2021-2022 catalog.

## Capstone Option

| Year 1 - Fall (credits) | Credits | Year 1 - Spring (credits) | Credits |
|---|---|---|---|
| ENGL 1101 | 3 | ENGL 1102 | 3 |
| ECON 1000 | 2 | CHEM 1211/L OR PHYS 2211/L OR BIOL 1107/L | 4 |
| MATH 1119 | 4 | CSE 1322/L | 4 |
| CSE 1321/L | 4 | MATH 2202 | 4 |
| ART/DANC/MUSI/TPS 1107 | 3 | | |
| **TOTAL SEMESTER CREDITS** | **16** | **TOTAL SEMESTER CREDITS** | **15** |
| Year 2 - Fall (credits) | Credits | Year 2 - Spring (credits) | Credits |
| SWE 3313 | 3 | CSE 3153 | 3 |
| ONE FROM B2 | 3 | CS 3305 | 3 |
| CSE 2300 OR MATH 2345 | 3 | MATH 2332 | 3 |
| CHEM 1212/L OR PHYS 2212/L OR BIOL 1108/L | 4 | HIST 2111/2 | 3 |
| POLS 1101 | 3 | ENGL 2000-LEVEL | 3 |
| | | | |
| **TOTAL SEMESTER CREDITS** | **16** | **TOTAL SEMESTER CREDITS** | **15** |
| Year 3 - Fall (credits) | Credits | Year 3 - Spring (credits) | Credits |
| SWE 3623 | 3 | SWE 3643 | 3 |
| SWE 4324 | 3 | CS 3502 | 3 |
| CS 3503 | 3 | SWE 3633 | 3 |
| MATH/ SCIENCE/L | 4 | CSE 3801 | 2 |
| | | MATH/SCIENCE/L 2 | 4 |

| TOTAL SEMESTER CREDITS | 13 | TOTAL SEMESTER CREDITS | 15 |
|---|---|---|---|
| **Apply to BSSWE-MSIT Double Owl Program and Start Graduate Work** | | | |
| **Year 4 - Fall (credits)** | **Credits** | **Year 4 - Spring (credits)** | **Credits** |
| SWE 4663 | 3 | SWE 4724 | 4 |
| Replace SWE 4713 with IT 6203 | 3 | Replace SWE ELECTIVE 2 with IT 6823 | 3 |
| Replace SWE ELECTIVE 1 with IT 7913 | 3 | HIST 1100/1111/1112 | 3 |
| One from E4 | 3 | Free electives | 5 |
| TCOM 2010 | 3 | | |
| **TOTAL SEMESTER CREDITS** | **15** | **TOTAL SEMESTER CREDITS** | **15** |
| **Year 5 - Fall (credits)** | **Credits** | **Year 5 - Spring (credits)** | **Credits** |
| IT 6413 | 3 | IT 6xxx or 7xxx Elective 3 | 3 |
| IT 6423 | 3 | IT 6xxx or 7xxx Elective 4 | 3 |
| IT 6xxx or 7xxx Elective 1 | 3 | IT 7993 | 3 |
| IT 6xxx or 7xxx Elective 2 | 3 | | |
| | | | |
| **TOTAL SEMESTER CREDITS** | **12** | **TOTAL SEMESTER CREDITS** | **9** |

### PATHWAY TOTAL: 141 CREDITS

### Thesis Option

| Year 1 - Fall (credits) | Credits | Year 1 - Spring (credits) | Credits |
|---|---|---|---|
| ENGL 1101 | 3 | ENGL 1102 | 3 |
| ECON 1000 | 2 | CHEM 1211/L OR PHYS 2211/L OR BIOL 1107/L | 4 |
| MATH 1119 | 4 | CSE 1322/L | 4 |
| CSE 1321/L | 4 | MATH 2202 | 4 |
| ART/DANC/MUSI/TPS 1107 | 3 | | |
| **TOTAL SEMESTER CREDITS** | **16** | **TOTAL SEMESTER CREDITS** | **15** |
| **Year 2 - Fall (credits)** | **Credits** | **Year 2 - Spring (credits)** | **Credits** |
| SWE 3313 | 3 | CSE 3153 | 3 |
| ONE FROM B2 | 3 | CS 3305/L | 4 |
| CSE 2300 OR MATH 2345 | 3 | MATH 2332 | 3 |
| CHEM 1212/L OR PHYS 2212/L OR BIOL 1108/L | 4 | HIST 2111/2 | 3 |
| POLS 1101 | 3 | ENGL 2000-LEVEL | 3 |
| | | | |
| **TOTAL SEMESTER CREDITS** | **16** | **TOTAL SEMESTER CREDITS** | **17** |
| **Year 3 - Fall (credits)** | **Credits** | **Year 3 - Spring (credits)** | **Credits** |
| SWE 3623 | 3 | SWE 3643 | 3 |
| SWE 4324 | 3 | CS 3502 | 3 |

| CS 3503/L | 4 | SWE 3633 | 3 |
|---|---|---|---|
| MATH/ SCIENCE/L  1 | 4 | CSE 3801 | 2 |
|  |  | MATH/SCIENCE/L 2 | 4 |
| **TOTAL SEMESTER CREDITS** | **14** | **TOTAL SEMESTER CREDITS** | **15** |
| **Apply to BSSWE-MSIT Double Owl Program and Start Graduate Work** | | | |
| **Year 4 - Fall (credits)** | **Credits** | **Year 4 - Spring (credits)** | **Credits** |
| SWE 4663 | 3 | SWE 4724 | 4 |
| Replace SWE 4713 with IT 6203 | 3 | Replace SWE ELECTIVE 2 with IT 6823 | 3 |
| Replace SWE ELECTIVE 1 with IT 7913 | 3 | HIST 1100/1111/1112 | 3 |
| One from E4 | 3 | Free electives | 5 |
| TCOM 2010 | 3 |  |  |
| **TOTAL SEMESTER CREDITS** | **15** | **TOTAL SEMESTER CREDITS** | **15** |
| **Year 5 - Fall (credits)** | **Credits** | **Year 5 - Spring (credits)** | **Credits** |
| IT 6413 | 3 | IT 6xxx or 7xxx Elective 2 | 3 |
| IT 6423 | 3 | IT 6xxx or 7xxx Elective 3 | 3 |
| IT 6xxx or 7xxx Elective 1 | 3 | IT 7999 | 3 |
| IT 7999 | 3 |  |  |
|  |  |  |  |
| **TOTAL SEMESTER CREDITS** | **12** | **TOTAL SEMESTER CREDITS** | **9** |

## PATHWAY TOTAL: 141 CREDITS