MERCY UNIVERSITY

# Academic Program Sequence Map

**Program Degree Type and Name:** **MS Computer Science, Specialization in Software Development** **Catalog Year: 2022-2023**

**Program Level: Graduate** **Academic Term Type:** Semester

| Year and Term: Year 1 Fall term | Credits Per Classification | | | | | |
|---|---|---|---|---|---|---|
| Course Number & Title | CR | GE | Maj | OE | SM | Co / Prerequisite(s) |
| CISC 505- Object-Oriented Programming and Analysis of Algorithms | 3 | | x | | | None |
| CISC 510- Theoretical Concepts in Computer Science | 3 | | x | | | None |
| CISC 520- Database Management Systems | 3 | | x | | | None |
| Elective | 3 | | x | | | |
| **Term Credit Total:** | 12 | | 12 | | | |

| Year and Term: Year 1 Spring Term | Credits Per Classification | | | | | |
|---|---|---|---|---|---|---|
| Course Number & Title | CR | GE | Maj | OE | SM | Co / Prerequisite(s) |
| CISC 515- Software Design and Development | 3 | | x | | | CISC 505 |
| CISC 545- Distributed Application Development | 3 | | x | | | CISC 505 |
| CISC 555- Mobile Application Development | 3 | | x | | | CISC 505 |
| Elective | 3 | | x | | | |
| **Term Credit Total:** | 12 | | 12 | | | |

| Year and Term: Year 2 Fall | Credits Per Classification | | | | | |
|---|---|---|---|---|---|---|
| Course Number & Title | CR | GE | Maj | OE | SM | Co / Prerequisite(s) |
| CISC 575- Software Assurance | 3 | | x | | | CISC 505, CISC 515 |
| CISC 600- Thesis<br>**OR**<br>CISC 601- Software Development Project | 3 | | x | | | Approval of Program Director |
| **Term Credit Total:** | 6 | | 6 | | | |

| Year and Term: Year 2 Spring | Credits Per Classification | | | | | |
|---|---|---|---|---|---|---|
| Course Number & Title | CR | GE | Maj | OE | SM | Co / Prerequisite(s) |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| **Term Credit Total:** | | | | | | |

| Program Totals | Credits: 30 | General Education: N/A (Graduate) | Major & Major Elective: 30 | Open Elective: N/A |
|---|---|---|---|---|

**Legend:** **CR**: Credits **GE:** General Education **Maj**: Major / Major Elective **OE:** Open Elective **SM**: Success Marker **Co/Prerequisite(s)**: List of co/ prerequites for noted course