

INFORMATION TECHNOLOGY (M.S.I.T.) - SOFTWARE DESIGN & MANAGEMENT

Important: This degree plan is effective for those starting this degree program in fall 2024 through summer 2025. This degree plan will remain in effect for students who do not break enrollment or who do not change degree programs, concentrations, or cognates.

| Code | Title | Hours |
|---------------------|--|-----------|
| Core Courses | | |
| BMIS 520 | IT Infrastructure | 3 |
| BMIS 530 | Systems Analysis, Modeling, and Design | 3 |
| BMIS 570 | Ethics and Legal Issues | 3 |
| CSCI 501 | Overview of Computer Security | 3 |
| CSIS 505 | Software Development | 3 |
| CSIS 525 | Database Design and Development | 3 |
| CSIS 535 | Computer Networks | 3 |
| CSIS 657 | Statistical Analysis and Data Mining | 3 |
| CSIS 690 | Integrated Capstone | 3 |
| Total Hours | | 27 |

| Code | Title | Hours |
|---|---------------------------------|----------|
| Software Design & Management Cognate | | |
| CSCI 611 | Secure Software Engineering | 3 |
| CSIS 641 | Software Development Management | 3 |
| CSIS 643 | Software Design | 3 |
| Total Hours | | 9 |

All applicable prerequisites must be met

Graduation Requirements

- Complete 36 hours
- A maximum of 50% of the program hours may be transferred if approved and allowable, including credit from an earned degree from Liberty University on the same academic level
- 3.0 GPA
- No more than two grades of C may be applied to the degree (includes grades of C+ & C-)
- No grade of D or below may be applied to the degree (includes grades of D+ & D-)
- Degree must be completed within 5 years
- Submission of Degree Completion Application must be completed within the last semester of a student's anticipated graduation date

Program Offered in Resident and Online Format

Course Sequence

| Course | Title | Hours |
|-----------------------|-------------------------------|-------|
| First Semester | | |
| BMIS 520 | IT Infrastructure | 3 |
| CSCI 501 | Overview of Computer Security | 3 |
| CSIS 505 | Software Development | 3 |

| Course | Title | Hours |
|------------------------|--|-----------|
| CSIS 535 | Computer Networks | 3 |
| Hours | | 12 |
| Second Semester | | |
| BMIS 530 | Systems Analysis, Modeling, and Design | 3 |
| BMIS 570 | Ethics and Legal Issues | 3 |
| CSCI 611 | Secure Software Engineering | 3 |
| CSIS 525 | Database Design and Development | 3 |
| Hours | | 12 |
| Third Semester | | |
| CSIS 641 | Software Development Management | 3 |
| CSIS 643 | Software Design | 3 |
| CSIS 657 | Statistical Analysis and Data Mining | 3 |
| CSIS 690 | Integrated Capstone | 3 |
| Hours | | 12 |
| Total Hours | | 36 |