The INI discourages students from enrolling in courses that have overlapping content to the extent that students will not receive credit toward degree requirements for redundant courses; however, every course taken will be factored into the student’s cumulative GPA. Specifically, the INI sets the following list of exclusions:

The following **security** courses are considered to be overlapping:
- 08-761 Information Security and Privacy
- 14-741 Introduction to Information Security
- 15-349 Introduction to Computer and Network Security
- 15-487/18-487 Introduction to Computer and Network Security and Applied Cryptography
- 18-630 Introduction to Security and Policy
- 18-730 Introduction to Computer Security
- Or, any of their cross-listed versions

The following **security** courses are considered to be overlapping:
- 95-841 Information Assurance Policy
- Or, any of their cross-listed versions

The following **security** courses are considered to be overlapping:
- 14-811 Special Topics: Human Factors in Security
- 08-734 Usable Privacy and Security
- Or, any of their cross-listed versions

The following **security** courses are considered to be overlapping:
- 14-741 Introduction to Information Security
- 08-761 Information Security and Privacy
- 19-601 Information Warfare
- Or, any of their cross-listed versions

The following **telecommunications** courses are considered to be overlapping:
- 14-740 Fundamentals of Telecommunications Networks
- 18-345 Introduction to Telecommunication Networks
- Or, any of their cross-listed versions

The following **programming** courses are considered to be overlapping:
- 15-600 Java and J2EE Programming (MSIT students should take this courses as opposed to 15-637)
- 08-671 Java for Application Programmers
- 08-672 J2EE Web Application Development
- 15-637 Web Application Development (MSIS & MSIN students should take this courses as opposed to 15-600)
- Or, any of their cross-listed versions

The following **programming** courses are considered to be overlapping:
- 08-724 Client-Side Web Technologies (added 3-25-2015)
- Or, any of their cross-listed versions

The following **security** courses are considered to be overlapping
The following two **embedded systems** courses are considered overlapping:
- 18-342 Fundamentals of Embedded Systems
- 18-349 Embedded Real-Time Systems
- Or, any of their cross-listed versions

The following two **cloud computing** courses are considered overlapping:
- 96-787 ST: Intro to Cloud Computing (added 1-21-2014)
- 15-619 Cloud Computing (added 1-21-2014)
- Or, any of their cross-listed versions

The following two **networking** courses are considered overlapping:
- 14-817 Special Topics: Network Security & Management (added 9-5-2014)
- 18-859K Special Topics in Communications: Software-Defined Networking and Network Functions Virtualization (added 9-5-2014)
- Or, any of their cross-listed versions

The following two **management** courses are considered overlapping:
- 94-840 Lean Entrepreneurship (added 9-19-14)
- 95-794 Tech Startup: Tools and Techniques (added 9-19-14)
- Or, any of their cross-listed versions

The following **economics** courses are considered overlapping:
- 14-774 Managerial Economics (added 9-22-14)
- 95-710 Economic Analysis (added 9-22-14)
- University of Hyogo Economic Analysis course (added 9-22-14)
- Or, any of their cross-listed versions

The following **database management** courses are considered overlapping:
- 95-813 Intermediate Database Management (added 9-22-14)
- 95-703 Database Management (added 9-22-14)
- Or, any of their cross-listed versions

The following **software project management** courses are considered to be overlapping:
- 17-639 Management of Software Development for Technology Executives (added 10-29-15)
- 17-653 Managing Software Development (added 10-29-15)
- Or, any of their cross-listed versions

The following **software architecture** courses are considered to be overlapping:
- 17-638 Systems Architecture for Managers (added 10-29-15)
- 17-655 Architecture for Software Systems (added 10-29-15)
- Or, any of their cross-listed versions

The following **software product** courses are considered to be overlapping:
- 49-750 Software Product Definition (added 10-29-15)
- 49-752 Product Definition and Validation (added 10-29-15)
- Or, any of their cross-listed versions

The following **software product** courses are considered to be overlapping:
- 49-751 Requirements Analysis (added 10-29-15)
- 49-752 Product Definition and Validation (added 10-29-15)
• Or, any of their cross-listed versions

The following **software management** courses are considered to be overlapping:
• 49-760 Foundations of Software Management (added 10-29-15)
• 49-761 Elements of Software Management (added 10-29-15)
• Or, any of their cross-listed versions

The following **security** courses are considered to be overlapping:
• 14-782 Security & Networked Systems (added 10-29-15)
• 18-731 Network Security (added 10-29-15)
• Or, any of their cross-listed versions

The above list is not exhaustive. It is the responsibility of the student to avoid taking courses with topics that overlap with any other courses on their schedule, or else risk losing credit for the redundant course(s). In situations where courses are considered to be overlapping with INI or ECE courses, we recommend that students take the INI or ECE course. If a student has doubts over which courses are considered overlapping, the student should speak with his/her academic advisor.