

ITMS 418 RUBRIC**ITMS 418 Coding Security**

Students may be scored on a scale of 1 to 5; scores of 2 and 4 may be interpolated.

| Program Educational Objectives | | | | |
|--|----------------|---|--|--|
| Objective | Score ▶ | 5 | 3 | 1 |
| <i>Design and implement an enterprise security program using policy, technology, and awareness to implement appropriate controls and technically secure enterprise information assets and resources to deter, detect, and prevent the success of attacks and intrusions.</i> | | The student is consistently able to implement appropriate controls in application development and technically secure enterprise software information assets | The student is generally able to implement appropriate controls in application development and technically secure enterprise software information assets | The student is unable to implement appropriate controls in application development and technically secure enterprise software information assets |
| Course student outcomes | | | | |
| Upon completion of this course the student should be able to do the following: | | | | |
| Outcome | Score ▶ | 5 | 3 | 1 |
| <i>Explain the concept of application security</i> | | The student is able to explain the concept of application security accurately and in detail | The student is able to explain the concept of application security with some omissions or inaccuracies | The student is unable to explain the concept of application security |
| <i>Identify and describe the OWASP Top Ten application vulnerabilities</i> | | The student is able to identify and describe the OWASP Top Ten application vulnerabilities accurately and in detail | The student is able to identify and describe the OWASP Top Ten application vulnerabilities with some omissions or inaccuracies | The student is unable to identify and describe the OWASP Top Ten application vulnerabilities |
| <i>Recall and describe the secure software/system development lifecycle</i> | | The student is able to recall and describe the secure software/system development lifecycle accurately and in detail | The student is able to recall and describe the secure software/system development lifecycle with some omissions or inaccuracies | The student is unable to recall and describe the secure software/system development lifecycle |
| <i>Create, implement, and maintain a formal Application Security Program</i> | | The student has clearly demonstrated their ability to create, implement, and maintain a formal Application Security Program | The student adequately demonstrated their ability to create, implement, and maintain a formal Application Security Program | The student is unable to create, implement, and maintain a formal Application Security Program |
| <i>Describe how a formal Application Security Program assists the CISO and other business stakeholders in maintaining a robust enterprise security program</i> | | The student is able to describe how a formal Application Security Program assists the CISO and other business stakeholders in maintaining a robust enterprise security program accurately and in detail | The student is able to describe how a formal Application Security Program assists the CISO and other business stakeholders in maintaining a robust enterprise security program with some omissions or inaccuracies | The student is unable to describe how a formal Application Security Program assists the CISO and other business stakeholders in maintaining a robust enterprise security program |
| <i>Describe the application security assessment process</i> | | The student is able to describe the application security assessment process accurately and in detail | The student is able to describe the application security assessment process with some omissions or inaccuracies | The student is unable to describe the application security assessment process |
| <i>Write an appropriate application security report</i> | | The student has clearly demonstrated their ability to write an appropriate application security report | The student has adequately demonstrated their ability to write an appropriate application security report | The student is unable to write an appropriate application security report |
| <i>Apply security principles and practices to maintain operations in the presence of risks and threats</i> | | The student has clearly demonstrated their ability to apply security principles and practices to maintain operations in the presence of risks and threats | The student has demonstrated to some extent their ability to apply security principles and practices to maintain operations in the presence of risks and threats | The student is unable to demonstrate an ability to apply security principles and practices to maintain operations in the presence of risks and threats |