

Master of Science with a major in Information Technology, Online

Semester reporting: Spring Semester 2021

Reporting cycle: Annual Reporting Cycle

Academic Program Assessment by Concentration Report Information

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| Prepared on: 7/6/2021 4:46:09 PM | Prepared by: Johnathan.Yerby@mga.edu |
| | Email address of person responsible for this report: neil.rigole@mga.edu |
| In which school is this program located? | Computing |
| Program Type: | Graduate |
| Approximately how many students are in this program at this location? Break out by concentrations. | Information Technology 153 Cybersecurity 62 Data Science 19 Health Infomatics 19 Critical Infrastructure Mgmt 7 Software Development 14 Social Media 4 IT-Software Development 1 No Concentration 27 Grand Total 153 |

Student Learning Outcomes

SLO1

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| <p>7. SLO 1: What is the first Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to.....)</p> | <p>Produce a literature review of scholarly sources covering a current or emerging topic in the field of information technology.</p> |
| <p>8. SLO 1: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment)</p> | <p>literature review</p> |
| <p>9. SLO 1: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on....)</p> | <p>85%</p> |
| <p>10. SLO 1: During this assessment cycle, what percent of the students who participated in this assessment met the target performance level and demonstrated mastery of this learning outcome. Report data differentiated by program concentrations. (Example: BA Contemporary Musicianship - 84%, BA Contemporary Musicianship Classical - 77%, BA Contemporary Musicianship Commercial - 63%)</p> | <p>Cybersecurity & Forensics 88% Data Analytics 100% Generalist 50% Health Informatics 100% Social Media 50% Software Development 80%</p> |
| <p>11. SLO 1: Evidence of changes based on an analysis of the results: What changes were implemented based on an analysis of the students' performance on this Student Learning Outcome?</p> | <p>This was the first round of a modified SLO1. We will clarify the instructions and highlight the quality and rigor expected of students. The total percentage meeting or exceeding was 81%.</p> |

Student Learning Outcomes

SLO2

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| <p>12. SLO 2: What is the second Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to.....)</p> | <p>Identify and apply IT methods used to protect the confidentiality, integrity, and availability of information and its delivery systems</p> |
| <p>13. SLO 2: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment)</p> | <p>Written report and presentation</p> |
| <p>14. SLO 2: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on.....).</p> | <p>85%</p> |
| <p>15. SLO 2: During this assessment cycle, what percent of the students who participated in this assessment met the target performance level and demonstrated mastery of this learning outcome. Report data differentiated by program concentrations. (Example: BA Contemporary Musicianship - 84%, BA Contemporary Musicianship Classical - 77%, BA Contemporary Musicianship Commercial - 63%)</p> | <p>Critical Infrastructure 100% Cybersecurity & Forensics 100% Cybersecurity & Forensics/ Health Informatics 100% Cybersecurity & Forensics/ Social Media 100% Data Analytics 100% Generalist 100% Health Informatics 100% Social Media 100% Software Development 100%</p> |
| <p>16. SLO 2: Evidence of changes based on an analysis of the results: What changes were implemented based on an analysis of the students' performance on this Student Learning Outcome?</p> | <p>Committee Reviewed the ITEC 6900 Capstone Project – Motion to make the team pilot project permanent – Approved Unanimously SLO 2 – Motion to reword SLO 2 based around new project: Current – Produce an original work of research based on the student’s concentration Motion to Modify as Follows - As part of a team, produce an original, innovative, and research-based solution to an assigned IT challenge Performance Indicators Do Not Need To Change – Approved Unanimously</p> |

Student Learning Outcomes

SLO3

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| 17. SLO 3: What is the third Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to.....) | SLO(3) - Evaluate the scope and impact of emerging information technologies on a local and global scale – to be assessed in ITEC 5100 |
| 18. SLO 3: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment) | Project |
| 19. SLO 3: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on.....). | 85% |
| 20. SLO 3: During this assessment cycle, what percent of the students who participated in this assessment met the target performance level and demonstrated mastery of this learning outcome. Report data differentiated by program concentrations. (Example: BA Contemporary Musicianship - 84%, BA Contemporary Musicianship Classical - 77%, BA Contemporary Musicianship Commercial - 63%) | new SLO |
| 21. SLO 3: Evidence of changes based on an analysis of the results: What changes were implemented based on an analysis of the students' performance on this Student Learning Outcome? | This is a new assessment that will be implemented in Fall 2021. |

Student Learning Outcomes

SLO4

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| 22. SLO 4: What is the fourth Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to.....) | SLO(4) - Incorporate project management methodology into planning, development, and implementation of IT solutions – to be assessed in ITEC 5120 (Project Mgt) |
| 23. SLO 4: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment) | Paper or presentation |
| 24. SLO 4: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on.....) | 85% |
| 25. SLO 4: During this assessment cycle, what percent of the students who participated in this assessment met the target performance level and demonstrated mastery of this learning outcome. Report data differentiated by program concentrations. (Example: BA Contemporary Musicianship - 84%, BA Contemporary Musicianship Classical - 77%, BA Contemporary Musicianship Commercial - 63%) | new SLO |
| 26. SLO 4: Evidence of changes based on an analysis of the results: What changes were implemented based on an analysis of the students' performance on this Student Learning Outcome? | This is a new assessment that will be implemented in Fall 2021. |

Sampling

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| 27. How many students participated in the assessment of these learning outcomes, in this program, for this assessment cycle at this location? (Provide Number and by Concentration) | 74 |
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Open Box for Assessment Comments

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| 28. Overall Use of Assessment Results for Continuous Improvement and Open Text Box For Assessment Comments: | The faculty reviewed all of the results and will use the information to make continuous improvements. This year we added two new SLOs to the program that will be assessed in 2021. |
| 29. If the COVID-19 pandemic impacted this assessment cycle, please provide specific details below. | No impact due to COVID-19 |