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| X = PresentA = Artifact Identified (enter as cell comment) A15/16 - Artifact collected current year |  |  |  |  |  |  |  |  |
| CS | CS | CS | CS | CS | CS | CS | CS |
| 131 | 141 | 231 | 241 | 248 | 251 | 261 | 321 |
| ***Goals*** |
| **Analysis and problem solving:** to analyze problems in an organized manner and solve them using quantitative skills and tools common to the disciplines of mathematics and computer science**.** | X | X | X |  |  |  | X |  |
| **Communication:** to communicate complex ideas and logical arguments both orally and in writing, expressing one’s self in clear, concise and accurate language and to effectively teach common mathematics and computer science topics. |  |  |  |  |  |  |  |  |
| **Synthesis and application:** to independently learn new ideas and methods related to mathematics and computer science, and to adapt those ideas and methods to new problems and environments. |  |  | X |  |  |  |  |  |
| **Knowledge and Preparation:** to demonstrate an advanced level of understanding and application of knowledge and skills in mathematics and computer science. | 15-1 | X | X | X | X | X | X | X |
| ***Learning Outcomes*** |
| Students will identify mathematical and computing requirements and develop and implement the steps necessary to solve a problem. | X | X |  |  |  |  |  |  |
| Students will communicate verbally and in written form technical mathematical and computer science concepts in a manner that is understandable to all audiences and will present oral presentations within the discipline using accompanying audio-visual aids and other technical aids. |  |  |  |  |  |  |  |  |
| Students will apply mathematical foundations and algorithmic principles in the modeling and design of a solution to a broad range of problems and applications (including applications that might normally not be considered mathematical or computing applications). |  |  |  |  |  |  |  |  |
| Students will demonstrate an acceptable understanding of key concepts by performance on exams in mathematics and/or computer science courses and will exhibit the application of knowledge and skills in math and/or computer science course projects and capstone courses. | A |  |  |  |  |  |  |  |
| ***GenEd Goals and Requirements*** |
| Faith |  |  |  |  |  |  |  |  |
| Appreciation |  |  |  |  |  |  |  |  |
| Knowledge |  |  |  |  |  |  |  |  |
| Analysis |  |  |  |  |  |  |  |  |
| Application |  |  |  |  |  |  |  |  |
| Communication |  |  |  |  |  |  |  |  |
| Responsibility |  |  |  |  |  |  |  |  |

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| X = PresentA = Artifact Identified (enter as cell comment) A15/16 - Artifact collected current year |  |  |  |  |  |  |  |  |
| CS | CS | CS | CS | CS | CS | CS | CS |
| 324 | 334 | 341 | 344 | 348 | 351 | 361 | 390 |
| ***Goals*** |
| **Analysis and problem solving:** to analyze problems in an organized manner and solve them using quantitative skills and tools common to the disciplines of mathematics and computer science**.** |  |  |  |  | X | X | X |  |
| **Communication:** to communicate complex ideas and logical arguments both orally and in writing, expressing one’s self in clear, concise and accurate language and to effectively teach common mathematics and computer science topics. |  |  | X | X | X | X |  |  |
| **Synthesis and application:** to independently learn new ideas and methods related to mathematics and computer science, and to adapt those ideas and methods to new problems and environments. |  |  | X |  | X | X |  |  |
| **Knowledge and Preparation:** to demonstrate an advanced level of understanding and application of knowledge and skills in mathematics and computer science. | X | X | X | X | X | X | X | X |
| ***Learning Outcomes*** |
| Students will identify mathematical and computing requirements and develop and implement the steps necessary to solve a problem. |  |  |  |  |  | X |  |  |
| Students will communicate verbally and in written form technical mathematical and computer science concepts in a manner that is understandable to all audiences and will present oral presentations within the discipline using accompanying audio-visual aids and other technical aids. |  |  | X |  |  |  |  |  |
| Students will apply mathematical foundations and algorithmic principles in the modeling and design of a solution to a broad range of problems and applications (including applications that might normally not be considered mathematical or computing applications). |  |  |  |  | X |  |  |  |
| Students will demonstrate an acceptable understanding of key concepts by performance on exams in mathematics and/or computer science courses and will exhibit the application of knowledge and skills in math and/or computer science course projects and capstone courses. |  |  |  |  | X | X |  |  |
| ***GenEd Goals and Requirements*** |
| Faith |  |  |  |  |  |  |  |  |
| Appreciation |  |  |  |  |  |  |  |  |
| Knowledge |  |  | X |  | X |  |  |  |
| Analysis |  |  | X | X |  |  |  |  |
| Application |  |  | X | X | X |  |  |  |
| Communication |  |  |  |  |  |  |  |  |
| Responsibility |  |  |  |  |  |  |  |  |

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| X = PresentA = Artifact Identified (enter as cell comment) A15/16 - Artifact collected current year |  |  |  |  |  |  |  |  |
| CS | CS | CS | CS | Math | Math | Math | Math |
| 391 | 399 | 39X | 442 | 122 | 182 | 184 | 186 |
| ***Goals*** |
| **Analysis and problem solving:** to analyze problems in an organized manner and solve them using quantitative skills and tools common to the disciplines of mathematics and computer science**.** | X |  |  | A(15-1 | X | X | X |
| **Communication:** to communicate complex ideas and logical arguments both orally and in writing, expressing one’s self in clear, concise and accurate language and to effectively teach common mathematics and computer science topics. | X |  |  |  |  |  |  |  |
| **Synthesis and application:** to independently learn new ideas and methods related to mathematics and computer science, and to adapt those ideas and methods to new problems and environments. | X |  |  |  |  |  |  |  |
| **Knowledge and Preparation:** to demonstrate an advanced level of understanding and application of knowledge and skills in mathematics and computer science. | X | X | X | X |  | X | 15-1 | X |
| ***Learning Outcomes*** |
| Students will identify mathematical and computing requirements and develop and implement the steps necessary to solve a problem. | X |  |  |  |  | X |  |  |
| Students will communicate verbally and in written form technical mathematical and computer science concepts in a manner that is understandable to all audiences and will present oral presentations within the discipline using accompanying audio-visual aids and other technical aids. |  |  |  |  | X |  |  |  |
| Students will apply mathematical foundations and algorithmic principles in the modeling and design of a solution to a broad range of problems and applications (including applications that might normally not be considered mathematical or computing applications). | X |  |  |  |  |  |  |  |
| Students will demonstrate an acceptable understanding of key concepts by performance on exams in mathematics and/or computer science courses and will exhibit the application of knowledge and skills in math and/or computer science course projects and capstone courses. | X |  |  |  | X | X | X | X |
| ***GenEd Goals and Requirements*** |
| Faith |  |  |  |  |  |  |  |  |
| Appreciation |  |  |  |  |  |  |  |  |
| Knowledge |  |  |  | A(15-1 | X | X | X |
| Analysis | X |  |  |  | X | X | X | X |
| Application | X |  |  |  | X | X | X | X |
| Communication |  |  |  |  |  |  |  |  |
| Responsibility |  |  |  |  |  |  |  |  |

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| X = PresentA = Artifact Identified (enter as cell comment) A15/16 - Artifact collected current year |  |  |  |  |  |  |  |  |
| Math | Math | Math | Math | Math | Math | Math | Math |
| 201 | 219 | 252 | 284 | 301 | 321 | 322 | 323 |
| ***Goals*** |
| **Analysis and problem solving:** to analyze problems in an organized manner and solve them using quantitative skills and tools common to the disciplines of mathematics and computer science**.** | X |  |  | X | X |  | X | X |
| **Communication:** to communicate complex ideas and logical arguments both orally and in writing, expressing one’s self in clear, concise and accurate language and to effectively teach common mathematics and computer science topics. | X | X | X |  | X |  | X |  |
| **Synthesis and application:** to independently learn new ideas and methods related to mathematics and computer science, and to adapt those ideas and methods to new problems and environments. |  |  |  |  |  |  |  | X |
| **Knowledge and Preparation:** to demonstrate an advanced level of understanding and application of knowledge and skills in mathematics and computer science. |  |  | X | X |  | X | X | X |
| ***Learning Outcomes*** |
| Students will identify mathematical and computing requirements and develop and implement the steps necessary to solve a problem. |  |  |  |  |  |  | X |  |
| Students will communicate verbally and in written form technical mathematical and computer science concepts in a manner that is understandable to all audiences and will present oral presentations within the discipline using accompanying audio-visual aids and other technical aids. | X |  |  |  | X |  |  |  |
| Students will apply mathematical foundations and algorithmic principles in the modeling and design of a solution to a broad range of problems and applications (including applications that might normally not be considered mathematical or computing applications). |  |  |  |  |  |  | X |  |
| Students will demonstrate an acceptable understanding of key concepts by performance on exams in mathematics and/or computer science courses and will exhibit the application of knowledge and skills in math and/or computer science course projects and capstone courses. |  |  |  |  |  |  |  |  |
| ***GenEd Goals and Requirements*** |
| Faith |  |  |  |  |  |  |  |  |
| Appreciation |  |  |  |  |  |  |  |  |
| Knowledge |  |  |  |  |  |  |  |  |
| Analysis |  |  |  |  |  |  |  |  |
| Application |  |  |  |  |  |  |  |  |
| Communication |  |  |  |  |  |  |  |  |
| Responsibility |  |  |  |  |  |  |  |  |

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| X = PresentA = Artifact Identified (enter as cell comment) A15/16 - Artifact collected current year |  |  |  |  |  |  |  |  |
| Math | Math | Math | Math | Math | Math | Math | Math |
| 332 | 333 | 335 | 348 | 365 | 382 | 384 | 475 |
| ***Goals*** |
| **Analysis and problem solving:** to analyze problems in an organized manner and solve them using quantitative skills and tools common to the disciplines of mathematics and computer science**.** | X | X |  | X |  |  | X | X |
| **Communication:** to communicate complex ideas and logical arguments both orally and in writing, expressing one’s self in clear, concise and accurate language and to effectively teach common mathematics and computer science topics. | X |  | X | X | X | X |  |  |
| **Synthesis and application:** to independently learn new ideas and methods related to mathematics and computer science, and to adapt those ideas and methods to new problems and environments. |  |  |  | X |  |  |  | X |
| **Knowledge and Preparation:** to demonstrate an advanced level of understanding and application of knowledge and skills in mathematics and computer science. | X | X | X | X | X | X | X | X |
| ***Learning Outcomes*** |
| Students will identify mathematical and computing requirements and develop and implement the steps necessary to solve a problem. | X |  |  |  |  |  |  | X |
| Students will communicate verbally and in written form technical mathematical and computer science concepts in a manner that is understandable to all audiences and will present oral presentations within the discipline using accompanying audio-visual aids and other technical aids. | X |  |  |  |  |  |  | X |
| Students will apply mathematical foundations and algorithmic principles in the modeling and design of a solution to a broad range of problems and applications (including applications that might normally not be considered mathematical or computing applications). |  | X |  | X |  |  | X | X |
| Students will demonstrate an acceptable understanding of key concepts by performance on exams in mathematics and/or computer science courses and will exhibit the application of knowledge and skills in math and/or computer science course projects and capstone courses. | X |  |  | X |  |  |  | X |
| ***GenEd Goals and Requirements*** |
| Faith |  |  |  |  |  |  |  |  |
| Appreciation |  |  |  |  |  |  |  |  |
| Knowledge |  |  |  |  |  |  |  |  |
| Analysis |  |  |  | X |  |  |  |  |
| Application |  |  |  | X |  |  |  |  |
| Communication |  |  |  |  |  |  |  |  |
| Responsibility |  |  |  |  |  |  |  |  |

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| X = PresentA = Artifact Identified (enter as cell comment) A15/16 - Artifact collected current year |  |  |  |  |  |  |  |  |
| CS | CS | CS | CS | CS | CS | CS | CS |
| 131 | 141 | 231 | 241 | 248 | 251 | 261 | 321 |
| SRQ: Writing Intensive |  |  |  |  |  |  |  |  |
| SRQ: Global/Multicultural |  |  |  |  |  |  |  |  |
| SRQ: Service-Learning |  |  |  |  |  |  |  |  |
| Capstone Experience |  |  |  |  |  |  |  |  |
| Oral Communication |  |  |  |  |  |  |  |  |

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| X = PresentA = Artifact Identified (enter as cell comment) A15/16 - Artifact collected current year |  |  |  |  |  |  |  |  |
| CS | CS | CS | CS | CS | CS | CS | CS |
| 324 | 334 | 341 | 344 | 348 | 351 | 361 | 390 |
| SRQ: Writing Intensive |  |  |  |  |  |  |  |  |
| SRQ: Global/Multicultural |  |  |  |  |  |  |  |  |
| SRQ: Service-Learning |  |  |  |  |  |  |  |  |
| Capstone Experience |  |  |  |  |  |  |  |  |
| Oral Communication |  |  |  |  |  |  |  |  |

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| CS | CS | CS | CS | Math | Math | Math | Math |
| 391 | 399 | 39X | 442 | 122 | 182 | 184 | 186 |
| SRQ: Writing Intensive |  |  |  |  |  |  |  |  |
| SRQ: Global/Multicultural |  |  |  |  |  |  |  |  |
| SRQ: Service-Learning |  |  |  |  |  |  |  |  |
| Capstone Experience | X |  |  |  |  |  |  |  |
| Oral Communication |  |  |  |  |  |  |  |  |

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| X = PresentA = Artifact Identified (enter as cell comment) A15/16 - Artifact collected current year |  |  |  |  |  |  |  |  |
| Math | Math | Math | Math | Math | Math | Math | Math |
| 201 | 219 | 252 | 284 | 301 | 321 | 322 | 323 |
| SRQ: Writing Intensive |  |  |  |  |  |  |  |  |
| SRQ: Global/Multicultural |  |  |  |  |  |  |  |  |
| SRQ: Service-Learning |  |  |  |  |  |  |  |  |
| Capstone Experience |  |  |  |  |  |  |  |  |
| Oral Communication |  |  |  |  |  |  |  |  |

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| X = PresentA = Artifact Identified (enter as cell comment) A15/16 - Artifact collected current year |  |  |  |  |  |  |  |  |
| Math | Math | Math | Math | Math | Math | Math | Math |
| 332 | 333 | 335 | 348 | 365 | 382 | 384 | 475 |
| SRQ: Writing Intensive |  |  |  |  |  |  |  |  |
| SRQ: Global/Multicultural |  |  |  |  |  |  |  |  |
| SRQ: Service-Learning |  |  |  |  |  |  |  |  |
| Capstone Experience |  |  |  |  |  |  |  | X |
| Oral Communication |  |  |  |  |  |  |  |  |