

Mathematical Sciences [MS] [MS-MSCI]

Cycles included in this report:

Jun 1, 2022 to May 31, 2023

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Reporting Cycle: Jun 1, 2022 to May 31, 2023

1 Is this program offered via Distance Learning?

100% Traditional or less than 50% Distance/Traditional

2 Is this program offered at an off-site location?

No

2.1 If yes to previous, provide addresses for each location where 50% or more of program credits may be earned.

3 Example of Program Improvement

2018-2019:

Faculty in our graduate program discussed the need to ensure our students are exposed to mathematical literature as they complete their Masters in Mathematical Sciences. Graduates of our program should know how to search for articles about a mathematical topic and be able to find the most recent information available. They also should be comfortable reading articles in mathematical journals. An example of changes to ensure that our graduates will have these skills is the literature component that was added to MATH 641 during the 2018-19 academic year. Students in the course are now required to find an article in a mathematical journal that is relevant to the topics discussed in this class. After there article is approved, students prepare and present a presentation to the class on the approved topic.

2019-2020:

2020-2021:

All program faculty learned to teach courses online. Students gained experience in online presentation of problems and the use of software for online collaboration that program faculty feel will be of use to our graduates in their future career paths.

2021-2022:

Faculty have begun preliminary discussion of new 600 level electives courses that could be offered to benefit our students. Topics that have suggested include nonparametric statistics and number theory.

2022-2023:

The department has begun to offer the MS Mathematical Sciences program as part of a 5 year dual degree program that will allow exceptional undergraduates in our BS program to accelerate their graduate coursework and complete the two degrees in a shorter amount of time. This change allows more students to consider the option of pursuing the MS degree which will prepare them for a wider range of career options without having to commit to a full two more years of college before beginning their careers or alternatively, having to attempt to work on the MS degree while working full time in their new career.

4 Program Highlights from the Reporting Year

2018-2019:

Two of our graduate students gave presentations at the spring sectional meeting held by the LA /MS Section of the MAA in Clinton, MS on February 22, 2019. Britt Qualls presented his talk "A Remark on Bicyclic Antiautomorphisms of Mendelsohn Triple Systems" and Jason Jones presented "Introduction to Sabermetrics". Both presentations won awards in the Student Paper Competition held at this conference.

2019-2020:

2020-2021:

Program graduate Haile Gilroy was accepted to Auburn University where she is pursuing further graduate coursework in Mathematics. The work that she completed with faculty mentor Neil Carnes during her time at McNeese has been submitted for publication.

2021-2022:

Faculty in the MS Mathematical Sciences program are pleased that the number of students enrolled in our Computer Science concentration has increased this year.

2022-2023:

Mathematical Sciences faculty started a new seminar during the spring 2023 semester. Two of our former graduates, Haile Gilroy and Steven Dabelow, from the MS Mathematical Sciences program were among the presenters this semester. Both of these students have moved on to pursue terminal degrees in the mathematical sciences.

5 Program Mission

The degree of Master of Science in Mathematical Sciences is designed to provide the student with knowledge of applied mathematics, pure mathematics, computer science, and statistics. It will also introduce the student to independent study and research. Upon completion of this degree, the student will be ready to work on a more advanced degree, to teach mathematics at the secondary or college level, or to use mathematical techniques in a scientific or industrial environment.

6 Institutional Mission Reference

This degree supports the University's mission to offer graduate curricula in areas related to education and the sciences to the employers in southwest Louisiana, in particular local school districts, two-year colleges, and the local petrochemical industry.

7 Assessment and Benchmark MATH 541 Exam Questions

Assessment: MATH 541 Advanced Calculus I Exam Questions.

Benchmark 1: 70% of students will achieve 70% success on relevant final exam questions in MATH 541 Advanced Calculus I.

Benchmark 2: Students will achieve an average score of 3.5 out of 5 on each component of the assessment.

Outcome Links

Mathematical Arguments [Program]

Graduates construct valid mathematical arguments in the area of analysis.

Problem Solving [Program]

7.1 Data

Academic Year	Studer 70% or	Benchmark	
	#	%	met
2017-2018	_	50%	No
2018-2019	3/5	60%	No
2019-2020	_	_	—
2020-2021	1/2	50%	No
2021-2022	2/2	100%	Yes
2022-2023	_	_	—

Outcome Links

Mathematical Arguments [Program]

Graduates construct valid mathematical arguments in the area of analysis.

7.1.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

The concept of sequential continuity was one area in particular that was difficult for our students this semester. Faculty have observed a continuing trend of students finding it difficult to integrate more than one concept into a single proof. In future semesters, students will be assigned a greater number of problems requiring integration of more than one concept into a single proof.

2019-2020:

2020-2021:

Math 541 is often taken by entering graduate students. Faculty have noticed that some entering graduate students are continuing to struggle with techniques of proof-writing. Faculty have noticed improvement as the students progress to higher level courses and plan to continue to emphasize proof-writing assignments for the graduate students in this course.

2021-2022:

Students were generally proficient at standard epsilon-delta proofs. These proofs are a basic part of beginning analysis.

2022-2023:

No graduate students from the MS Mathematical Sciences program were enrolled in Math 541 during the 2022-2023 academic year. Faculty anticipate that we will have graduate students enrolled in Math 541 to report on next year.

Outcome Links

Mathematical Arguments [Program]

Graduates construct valid mathematical arguments in the area of analysis.

7.2 Data

	Average Student Scores			
Academic Year	# of Students	Depth of	Clarity of	Benchmark met?
		Understanding		
2018-2019	5	3.20	3.80	—
2019-2020	—	—	_	—
2020-2021	2	3.5	3.75	—
2021-2022	2	4.5	4.0	Yes
2022-2023	—	—	—	—

Outcome Links

Problem Solving [Program]

Graduates effectively solve problems in the mathematical sciences.

7.2.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

Faculty introduced this new assessment into the MATH 541 course during the fall 2018 semester. Graduate students presented an assigned problem to the class and were graded in two categories: Depth of Understanding and Clarity of Expression. Each category was graded using a rubric with the following scores: 1=poor, 2=below average, 3=average, 4=above average, 5=excellent.

Faculty will collect data for three years before setting a benchmark to be met in this assessment.

Five students were assessed during the 2018-2019 academic year. One student really struggled with this assignment. This seems to be because of a poor mathematical background, but faculty will continue to monitor to see if a statistically significant trend develops. An interesting example of a problem presentation was a proof that the sequence {sin n} does not converge.

2019-2020:

2020-2021:

Two students were assessed during the 2020-2021 academic year. One student did well on his problem presentations. The second student had a weaker mathematical background and found the assignments more challenging.

Faculty will set a benchmark for this new assessment item after collecting data for one more year.

2021-2022:

With some helpful hints, all the students were able to present their problem assignments to their classmates in a satisfactory manner.

Based on data collected so far, faculty have decided to set an initial benchmark for this assessment of 3.5 out of 5 for each component of the assessment.

2022-2023:

No graduate students from the MS Mathematical Sciences program were enrolled in Math 541 during the 2022-2023 academic year. Faculty anticipate that we will have graduate students enrolled in this course to report on next year.

Outcome Links

Problem Solving [Program] Graduates effectively solve problems in the mathematical sciences.

8 Assessment and Benchmark MATH 542 Exam Questions

Assessment: MATH 542 Advanced Calculus II Exam Questions.

Benchmark 1: 70% of students will achieve 70% success on relevant final exam questions in MATH 542 Advanced Calculus II.

Benchmark 2: Students will achieve an average score of 3.5 out of 5 on each compnent of the assessment.

Outcome Links

Mathematical Arguments [Program]

Graduates construct valid mathematical arguments in the area of analysis.

Problem Solving [Program]

Graduates effectively solve problems in the mathematical sciences.

8.1 Data

Academic Year	Students with 70% or higher		Benchmark	
	#	%	mot	
2017-2018		60%	No	
2018-2019	7/7	100%	Yes	
2019-2020			—	
2020-2021	2/2	100%	Yes	
2021-2022	2/2 100%		Yes	
2022-2023	1/1	100%	Yes	

Outcome Links

Mathematical Arguments [Program]

Graduates construct valid mathematical arguments in the area of analysis.

8.1.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

All of the students did well this year. This is partly explained by the fact that the final exam questions sampled were questions from exams given through the semester in this course and the students fully expected to get demonstrate mastery of this same material on the final exam if they had scored poorly on that question previously. The students were well prepared. Had the questions not been expected the results might have been different.

The questions involved an application of the Mean Value Theorem to prove an inequality, a comparison theorem for the convergence of an improper integral and a convergence result for power series.

2019-2020:

2020-2021:

Students in Math 542 did very well on their final exams this year. Faculty are pleased with the results in the course this year and will continue to monitor these results.

2021-2022:

Students were all able to apply the Mean Value Theorem in an appropriate application.

2022-2023:

The student who was assessed this semester did well on the questions embedded on the final exam. As the methods used to teach Advanced Calculus II this semester resulted in such success, faculty plan to continue using these methods during the 2023-2024 academic year to collect additional data before making decisions about any necessary adjustments.

Outcome Links

Mathematical Arguments [Program]

Graduates construct valid mathematical arguments in the area of analysis.

		Average Stude		
Academic Year	# of students	Depth of Understanding	Clarity of Expression	Benchmark met?
2018-2019	7	3.57	4.00	—
2019-2020	—	—	—	—
2020-2021	2	4.5	4.25	—
2021-2022	1	3.0	3.0	No
2022-2023	1	5.0	4.0	Yes

8.2 Data

8.2.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

Faculty introduced a new assessment item into the MATH 542 course during the Spring 2019 semester. Students will be assessed on their ability to solve problems in the Mathematical Sciences. Assessment comes from a problem assigned to each student and presented to the class. These problems are graded on a rubric with a 5-point scale. Scores are assigned for two categories: Depth of Understanding and Clarity of Expression. The student's strongest area this year was Clarity of Expression. Faculty will collect data from this assessment for three years before setting a benchmark.

2019-2020:

2020-2021:

Two students were assessed during the 2020-2021 academic year. Both students did very well on thier problem presentations throughout the semester.

Faculty will set a benchmark for this new assessment item after collecting data for one more year.

2021-2022:

One interesting presentation was made on "Why the Mean Value Theorem" from a recent journal article.

Based on data collected so far, faculty have decided to set an initial benchmark for this assessment of 3.5 out of 5 for each component of the assessment.

2022-2023:

The one student assessed this semester did well on their presentation. As minimal data was collected this year, faculty plan to continue with the same approach to including these presentations in Math 542 next year. Once additional data has been collected, faculty will discuss potential adjustments to aid student understanding in future academic years.

9 Assessment and Benchmark MATH/CSCI 641 or CSCI 619 Exam Questions

Assessment: MATH/CSCI 641 Numerical Analysis or CSCI 619 Analysis of Algorithms Exam Questions.

Benchmark 1: 70% of students will achieve 70% success on relevant final exam questions in MATH /CSCI 641 Numerical Analysis or CSCI 619 Analysis of Algorithms.

Benchmark 2: Will be established once significant data is collected.

Outcome Links

Mathematical Arguments [Program]

Graduates construct valid mathematical arguments in the area of analysis.

Problem Solving [Program]

9.1 Data

Academic Year	% of students achieving 70%	Benchmark met?
2013-2014	70.37%	Yes
2014-2015	33.3%	No
2015-2016	59.5%	No
2016-2017	71.4%	Yes
2017-2018	83.3%	Yes

CSCI 619:

Academic Year	Students with 70% or higher		Benchmark	
	#	%	metr	
2018-2019	0	—	_	
2019-2020		_	_	
2020-2021	0	—	—	
2021-2022	0	_	_	

MATH/CSCI 641:

Academic Year	Students with 70% or higher # %		Students with 70% or higher		Benchmark
			mer		
2018-2019	7	100%	Yes		
2019-2020	_	—	_		
2020-2021	3 100%		Yes		
2021-2022	4	100%	Yes		
2022-2023	2	100%	Yes		

Outcome Links

Mathematical Arguments [Program] Graduates construct valid mathematical arguments in the area of analysis.

9.1.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

Benchmark is met. The students were successful in applying the Contractive Mapping Theorem, a fundamental theorem in Numerical Analysis.

2019-2020:

2020-2021:

Faculty were pleased to be able to complete the course under such difficult circumstances with two hurricanes impacting campus. The students persevered through distance learning courses with extended periods of no internet service. Under the circumstances faculty are pleased with the students results on their final exams.

2021-2022:

Students successfully applied the Contractive Mapping Theorem to show that a sequence given by recurrence is convergent and to find its limit.

CSCI 619 was removed from the core requirements for the Computer Science concentration. This course can still be used as an elective for the degree but is no longer required for all students in the concentration. As a result of this change, faculty will no longer collect data on this course. All concentrations will now be required to take MATH/CSCI 641. Data will continue to be reported for MATH/CSCI 641.

2022-2023:

The student in this course who has a concentration mathematics did well constructing mathematical arguments about topics including Taylor's Theorem as applied to error bounds. Faculty found that students with concentrations and/or backgrounds from other areas of the mathematical sciences struggled more during the semester but were still able to pass the assessment.

Outcome Links

Mathematical Arguments [Program]

Graduates construct valid mathematical arguments in the area of analysis.

		A	Average Student Scores			
Academic Year	# of students	Depth of Understanding	Clarity of Expression	Level of Difficulty	Ability to Solve Related Problems	Benchmark met?
2018-2019	6	3.83	3.83	4.17	4.17	—
2019-2020	—	—	—	_	—	—
2020-2021	—	—	—	_	—	—
2021-2022	4	5	4.5	4.5	4.5	Yes
2022-2023	2	3.5	4.5	5.0	—	

9.2 Data

Outcome Links

Problem Solving [Program]

9.2.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

Faculty introduced a new assessment into the MATH 641 course this year. Each student will be assessed on a presentation to the class. They will be graded in the following four categories: Depth of Understanding, Clarity of Expression, Level of Difficulty, Ability to Solve Problems associated with Topic of Presentation. Grading is to be completed using a rubric based on scores from one to five. We are pleased that the student's strongest areas this year were Level of Difficulty and Ability to Solve Related Problems. Faculty will collect data for three years before setting a benchmark for this new assessment.

2019-2020:

2020-2021:

Data is not available for this semester due to the abridged semester caused by Hurricanes Laura and Delta.

2021-2022:

Students all selected appropriate topics from Numerical Analysis and presented these topics to their classmates. One student chose to present a journal article on numerical integration of functions with singularities, while another talked about applying integration by parts to the problem of deriving formulas for numerical integration.

2022-2023:

Based on data collected so far, faculty have decided to set an initial benchmark for this assessment of 3.5 out of 5 for each component of the assessment. Data was not submitted for one of the four categories of this assessment. However, faculty are pleased that students met the assessment in the three areas that were reported this year.

Outcome Links

Problem Solving [Program]

Graduates effectively solve problems in the mathematical sciences.

10 Assessment and Benchmark Comprehensive Exam

Assessment: Comprehensive Exam.

Benchmark 1: 90% of students will receive a passing grade of 70% or higher on comprehensive exams.

Benchmark 2: 90% of students will receive a passing grade of 70% or higher on the comprehensive exam related to computer science coursework.

Outcome Links

Computer Science [Program]

Candidates for the concentration in Computer Science will demonstrate the ability to design a computer-based system, process, or program to meet specific needs.

Problem Solving [Program]

10.1 Data

Academic Year	Studer 70% or	Benchmark	
	#	%	mer
2017-2018		100%	Yes
2018-2019	4/4	100%	Yes
2019-2020			—
2020-2021	3/3	100%	Yes
2021-2022	3/3	100%	Yes
2022-2023	2/2	100%	Yes

Outcome Links

Problem Solving [Program] Graduates effectively solve problems in the mathematical sciences.

10.1.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

In advanced calculus the students did well at applying the appropriate convergence tests to infinite series. Students showed a good knowledge of important theorems in real analysis, including the Intermediate Value Theorem, the Mean Value theorem and the Fundamental Theorem of Calculus. Program faculty report that students achieved good results in the areas of Modern Algebra and Graph Theory. Applying these same theorems is our main challenge. Faculty will discuss strategies for placing greater emphasis on applications of theorems in future semesters.

2019-2020:

2020-2021:

In modern algebra students did well on all parts of the comprehensive exam. Faculty were especially pleased that students were able to complete portions of the comprehensive such as proof analysis that required more creative thought in addition to the more standard proof writing and computational portions of the exam.

In statistics, faculty were very pleased with students ability to compute a variety of statistical measures including the use the central limit theorem to calculate probabilities and quantiles of the standard mean. Faculty also commented on students in depth understanding of the theoretical background of statistical methods.

In analysis, it was reported that students did will with application of series with remainder term and polynomial interpolation. Students were proficient at deriving quadrature formulas. Faculty plan to include more multi-part proof and proof analysis exercises on future comprehensive exams.

2021-2022:

It was reported that some students continue to struggle with proof writing. However, all students tested at the level required to pass the comprehensive exams. One faculty member commented on the work of a student in constructing the lattice of subfields corresponding to the lattice of subgroups of a particular Galois group. The student presented the material in a somewhat new manner that gives a direct correspondence (by location in the lattice) between the subgroups and their corresponding fixed fields. Although it is not the standard way of doing things, faculty thought this showed some creativity and also demonstrated understanding of the relationship between the two lattices.

2022-2023:

Both students assessed during the 2022-2023 academic year did well on their comprehensive exams. Faculty are pleased with these results.

Outcome Links

Problem Solving [Program]

10.2 Data

Academic Year	Students with 70% or higher		Benchmark	
	#	%	mer	
2017-2018			—	
2018-2019			—	
2019-2020			—	
2020-2021	1	100%	Yes	
2021-2022	_			
2022-2023	_			

Outcome Links

Computer Science [Program]

Candidates for the concentration in Computer Science will demonstrate the ability to design a computer-based system, process, or program to meet specific needs.

10.2.1 Analysis of Data and Plan for Continuous Improvement

2017-2018:

No students graduated with a concentration in Computer Science during the 2017-2018 academic year.

2018-2019:

No students graduated with a concentration in Computer Science during the 2018-2019 academic year.

Faculty expect that we will have two to three computer science concentration graduates during the 2019-2020 academic year.

2019-2020:

2020-2021:

Faculty were pleased to have a student complete the Computer Science concentration of the Mathematical Sciences degree. Faculty reported that this student did very well on his comprehensive exams. Detailed results from the computer science comprehensive exam are not available at this time due to faculty being displaced from their offices as a result of hurricane damage.

2021-2022:

No students graduated with the Computer Science concentration this year.

2022-2023:

No students graduated with the Computer Science concentration this year.

Outcome Links

Computer Science [Program]

Candidates for the concentration in Computer Science will demonstrate the ability to design a computerbased system, process, or program to meet specific needs.

11 Assessment and Benchmark Alumni Survey

Assessment: Alumni Survey.

Benchmark 1: Overall average score of 4.50/5.00 on the following items: Rate the training you received from McNeese in the following areas: 7(1): Critical thinking skills

7(2): Mathematical problem solving

Prior to 2018-2019, the benchmark was an overall average score of 4.00/5.00.

Benchmark 2: Overall average score of 4.50/5.00 on the following items:Rate the training you received from McNeese in the following areas:7(6): Ability to solve technical problems that arise in the workplace7(7): Job specific skills, e.g., implementing programs for those in the computer science concentration.

Prior to 2018-2019, the benchmark was an overall average score of 4.00/5.00. Prior to 2016-2017, the benchmark was 3.50/5.00 or higher.

Outcome Links

Computer Science [Program]

Candidates for the concentration in Computer Science will demonstrate the ability to design a computer-based system, process, or program to meet specific needs.

Problem Solving [Program]

Graduates effectively solve problems in the mathematical sciences.

11.1 Data

Academic Year	# of respondents	7(1)	7(2)	Benchmark Met?
2017-2018	—	4.80	5.00	Yes
2018-2019	5	4.20	4.40	No
2019-2020	—	_	_	_
2020-2021	—	_	_	_
2021-2022	3	5.00	5.00	Yes
2022-2023	4	5.00	5.00	Yes

Outcome Links

Problem Solving [Program]

11.1.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

While the new data meets the previous year's benchmark, we have failed to meet the new higher benchmark of 4.5/5. One student gave particularly low ratings. Respondents will be encouraged to provide comments for low ratings in the future.

2019-2020:

2020-2021: No data available due to hurricanes.

2021-2022:

Data collection has resumed. We are looking at ways to improve data collection.

2022-2023:

Faculty believe that the end of the Covid-19 state of emergency and the ongoing recovery from Hurricanes Laura and Delta have helped increase response rates from our alumni. Faculty are pleased with the high scores on this years surveys.

Outcome Links

Problem Solving [Program]

Graduates effectively solve problems in the mathematical sciences.

11.2 Data

Academic Year	# of respondents	7(6)	7(7)	Benchmark Met?
2017-2018	_	5.00	4.00	Yes
2018-2019	5	4.00	4.20	No
2019-2020	_			—
2020-2021				—
2021-2022	3	5.00	4.33	No
2022-2023	4	5.00	5.00	Yes

Outcome Links

Computer Science [Program]

Candidates for the concentration in Computer Science will demonstrate the ability to design a computer-based system, process, or program to meet specific needs.

11.2.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

Benchmark was not met. Program faculty are reevaluating the decision to lift the benchmark to 4.5. Data will be tracked for another year before an additional change is made. Efforts will be made to solicit a greater number of responses in order to improve reliability of this assessment.

2019-2020:

2020-2021: No data available due to hurricanes.

2021-2022:

Data collection has resumed. We are looking at ways to improve data collection.

2022-2023:

Faculty believe that the end of the Covid-19 state of emergency and the ongoing recovery from Hurricanes Laura and Delta have helped increase response rates from our alumni. Faculty are pleased with the high scores on this years surveys.

Outcome Links

Computer Science [Program]

Candidates for the concentration in Computer Science will demonstrate the ability to design a computerbased system, process, or program to meet specific needs.

12 Assessment and Benchmark Exit Survey

Assessment: Exit Survey.

Benchmark 1: Overall average score of 4.50/5.00 on item: 16(1): Rate your confidence in your ability to use mathematics for problem solving.

Prior to 2018-2019, the benchmark was an overall average score of 3.50.

Benchmark: 70% of students answering yes on items 11 and 12, and an average of 3.50 on item 16 (2):

11. Do you feel able to solve technical problems that arise in a professional setting?

12. Do you feel able to design a computer based system, process, or program to meet specified needs?

16(2): Rate your confidence in your ability to design a problem solution in your discipline.

Outcome Links

Computer Science [Program]

Candidates for the concentration in Computer Science will demonstrate the ability to design a computer-based system, process, or program to meet specific needs.

Problem Solving [Program]

12.1 Data

Academic Year	# of respondents	Score	Benchmark Met?	
2017-2018		4.63	Yes	
2018-2019	2	5	Yes	
2019-2020		_		
2020-2021	1	5	Yes	
2021-2022	1	5	Yes	
2022-2023	2	5	Yes	

Outcome Links

Problem Solving [Program]

Graduates effectively solve problems in the mathematical sciences.

12.1.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

Benchmark is met. Efforts will be made to ensure that ALL graduates complete the exit survey.

2019-2020:

2020-2021:

Faculty are pleased to have met the assessment. However, due to the limited nature of the data available this year faculty will wait to collect more data before making a plan for improvement.

2021-2022:

Faculty are pleased to have met the assessment. Only 1 out of 3 students graduating with the degree completed and returned the survey. Faculty will reassess how and when the survey is provided to the students to try to encourage completion of this survey.

2022-2023:

All students who graduated with the degree returned the survey this semester. Faculty are pleased with this change and are also pleased to have met the benchmark.

Outcome Links

Problem Solving [Program]

Graduates effectively solve problems in the mathematical sciences.

12.2 Data

Academic Year	# of respondents	Ye #	s on 11 %	Ye #	s on 12 %	Average on 16(2)	Benchmark Met?
2017-2018							
2018-2019	—		_	_	—		
2019-2020	—	_		_			_
2020-2021	1	1	100%	1	100%	5	Yes
2021-2022	—	_	_	_		_	—
2022-2023		_	_	_	—	_	

Outcome Links

Computer Science [Program]

Candidates for the concentration in Computer Science will demonstrate the ability to design a computer-based system, process, or program to meet specific needs.

12.2.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

No student graduated with a concentration in Computer Science during the 2018-2019 academic year.

2019-2020:

2020-2021:

Faculty are pleased to have met the assessment. However, due to the limited nature of the data available this year faculty will wait to collect more data before making a plan for improvement.

2021-2022:

No students graduated with a concentration in Computer Science in the 2021-2022 academic year.

2022-2023:

No students graduated with a concentration in Computer Science in the 2022-2023 academic year.

Outcome Links

Computer Science [Program]

Candidates for the concentration in Computer Science will demonstrate the ability to design a computerbased system, process, or program to meet specific needs. Xitracs Program Report

Xitracs Program Report

End of report