

LABETTE
COMMUNITY
COLLEGE

Report of Student Learning
Academic Year 2022-2023 (AY23)

October 12, 2023

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Purpose of This Document

Academic assessment is a college-wide responsibility comprising many constituencies. This document, created and maintained by the Institutional Assessment Committee, is an attempt to bring all components together and includes a historical review of the assessment process at Labette Community College (LCC). The committee prepares the report for review by the President's Council and presentation to the LCC Board of Trustees at their October board meeting and to the Strategic Planning Committee at their fall meeting.

Faculty at LCC use assessment as a tool to inform academic change. Assessment leads to improvement in teaching and learning and is used to improve curriculum for our institution. Course outcomes are used to assess the overall effectiveness of our curriculum at the course, program, and institutional levels. LCC incorporates outcomes assessment as part of the program review process.

Vision Statement

Labette Community College will continue to enhance its standing as an exceptional College by striving for excellence in all its programs, services, and activities.

Mission Statement

Labette Community College provides quality learning opportunities in a supportive environment for success in a changing world.

Core Values

Student Learning: Labette Community College makes every effort to provide collegial programs and services by providing a caring and qualified faculty/staff to assist all students and community members in attaining the foundational skills and knowledge essential for success in work and in life, in a supportive and accountable environment.

Education for a Globally Connected World: Labette Community College promotes the diversity in our communities and our world by valuing the dignity, worth, and potential of all persons; by using diverse delivery methods and evolving technology; and by improving the communities we serve through civic engagement opportunities.

Continuous Improvement: Labette Community College strives for continual institutional improvement through strategic planning, program and department reviews, outcome assessments, professional development, performance agreements, policy and procedure updates, and campus environment enhancement.

Integrity and Transparency: Labette Community College operates in an environment of integrity and transparency through honest ethical practices, open communication, and accountability, for transactions with all constituencies.

Sustainability of the Institution: Labette Community College encourages innovation and personal growth, maintains financial accountability, supports student retention and success, and plans strategically for the future, while adhering to state, federal, and governing agency guidelines.

Program Outcomes

Program Outcomes serve as specific benchmarks designed to delineate student proficiency within each of our academic programs, as enumerated in the Academic Catalog, such as those in English or Nursing. The quantity of Program Outcomes typically ranges from four to ten per program. These Program Outcomes are derived from carefully selected Course Outcomes, with several Course Outcomes used as multiple indicators to express various facets of student competence. Consequently, the evaluation of Program Outcomes hinges on students demonstrating their competence: a determination made through assessments of Course Outcomes.

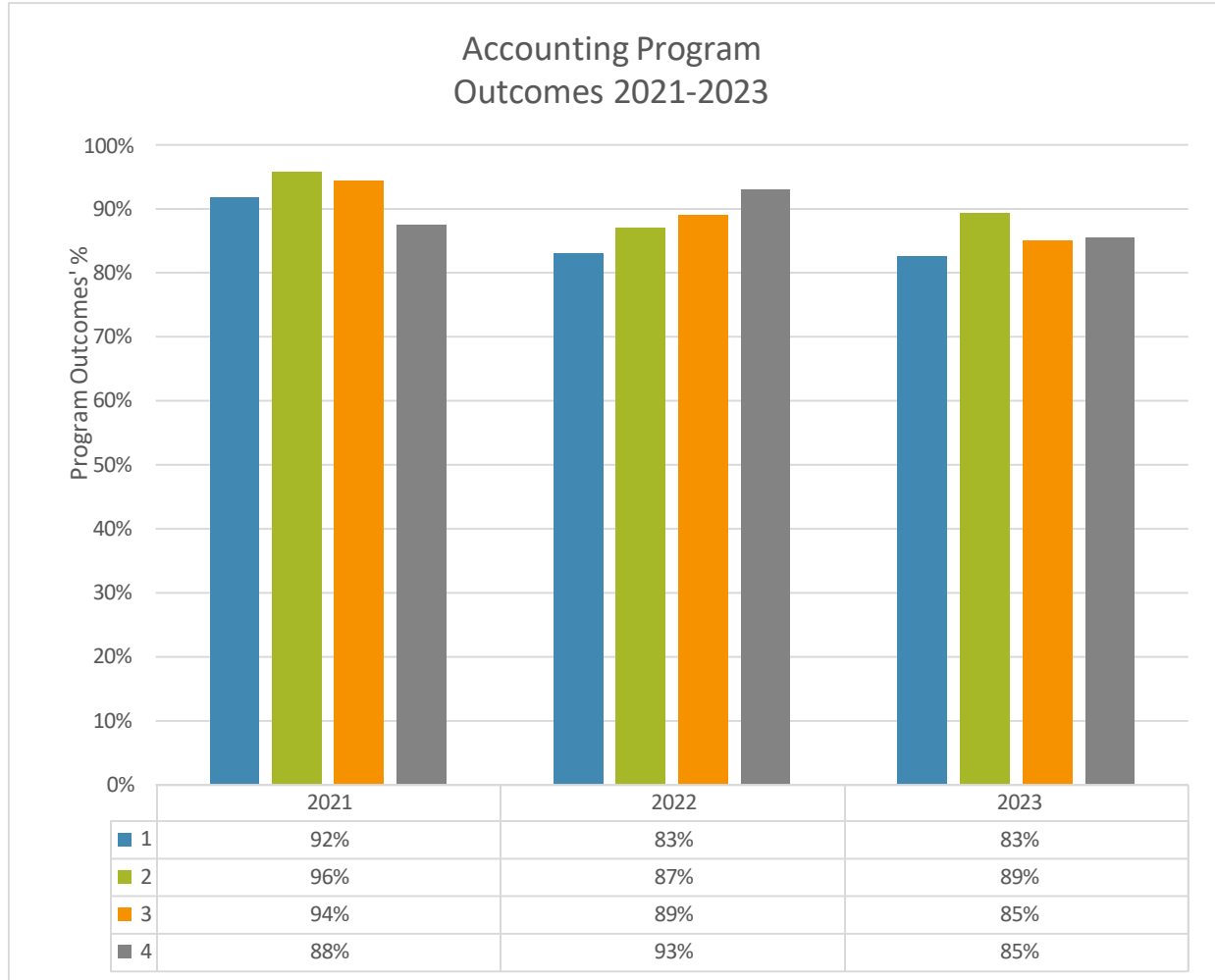
As outlined in the Academic Year 2022 (AY22) Report of Student Learning, faculty completed a comprehensive redevelopment of Program Outcomes during AY22, and the initial measurements took place in AY23. For programs in which the outcomes underwent alterations for AY23, both sets of outcomes are presented to facilitate accurate comparisons between academic years.

The following results, graphs, and reflections are summarized per program.

Accounting

Program Outcomes, 2021-23:

1. Apply financial accounting concepts.
2. Understand legal and ethical concepts related to operating a business.
3. Evaluate information to make effective business decisions.
4. Demonstrate effective computer skills.



- What did you learn from the data?
 - AY2023 results were mixed compared to AY2022. Outcome 1 was unchanged, outcome 2 was improved and outcomes 3 and 4 both declined. Outcome 4 declined much more than I would have liked for it to, but it is still within the range of the other three outcomes.
 - Outcomes assessment data showed that instructors are reflecting on their classes and making changes to seek improvements.
- What did you not learn from the data?
 - The data does not tell us how Accounting majors are performing in their concentration classes because majors and non-majors are assessed together. The success rate is 70% - the data does not tell us how far above or below this cutoff point students are performing.
- What do you hope to learn and do differently this academic year?
 - We hope to learn the impact of the new catalog/general education package has on outcomes for the Accounting program. We also want to see the impact of continuing the early warning grade system implemented during the last academic year.

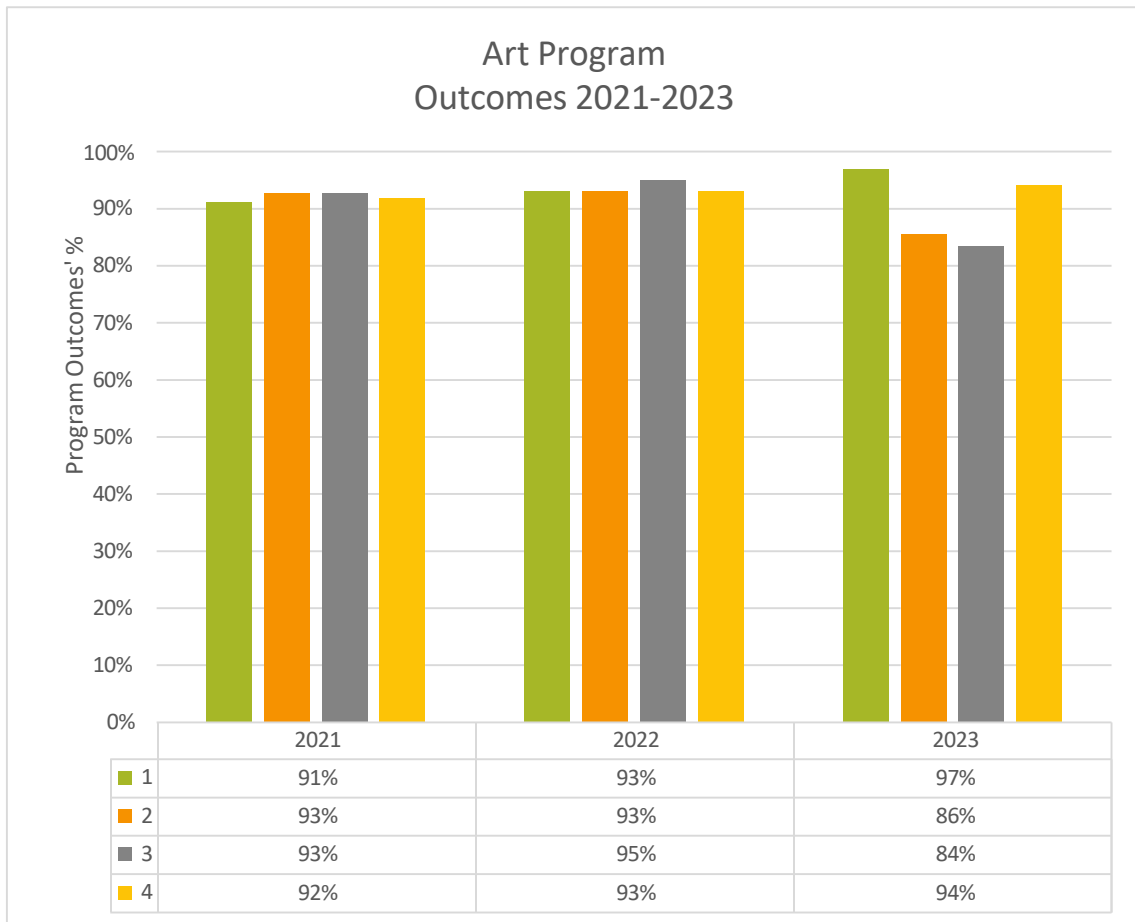
Art

Program Outcomes, 2021-22:

1. Demonstrate an understanding of the terminology and conventions of visual expression.
2. Critically interpret and analyze works of art in terms of form and content.
3. Demonstrate an understanding of art practices, meaning, values, and methods within historical and cultural contexts.
4. Participate in the discourse of current visual arts culture.

Program Outcomes, 2023:

1. Execute a variety of media, techniques and processes used for creating both two-dimensional and three-dimensional visual art.
2. Demonstrate the ability to use visual art terms and conventions displaying visual literacy.
3. Critically evaluate the merits of artwork including their own, peers, and practicing artists.
4. Analyze and draw connections between subject matter, symbols, ideas and historic / current visual art cultures.

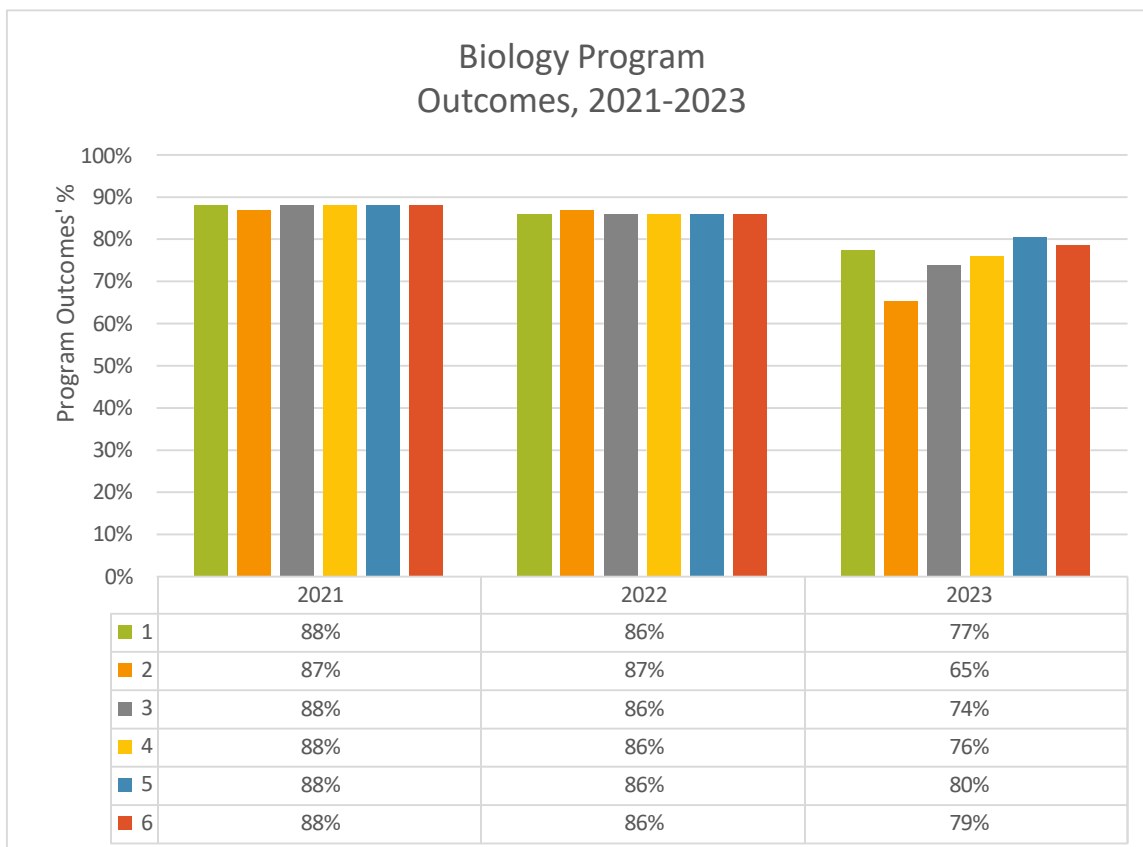


- What did you learn from the data?
 - School year 2023 I started to use more rigorous assessment tools.
- What did you not learn from the data?
 - The outcomes were updated last year so there is not a 1 to 1 comparison.
- What do you hope to learn and do differently this academic year?
 - I am hoping that canvas will have extra features to help collect more accurate data. For example, if it could pull questions 3 and 6 from a test and give the percentage of how many students answer correctly.

Biology

Program Outcomes, 2021-23:

1. Demonstrate knowledge of the concepts that comprise the biological sciences.
2. Demonstrate the ability to read, understand, and critically review scientific papers and prepare oral and written reports in a standard scientific format.
3. Demonstrate the ability to think critically and reason analytically.
4. Apply the scientific process, including designing and conducting experiments and testing hypotheses.
5. Communicate underlying principles of biology effectively.
6. Express an awareness of the careers and professions available in the biological sciences and an understanding of the significance ethics plays in the field.

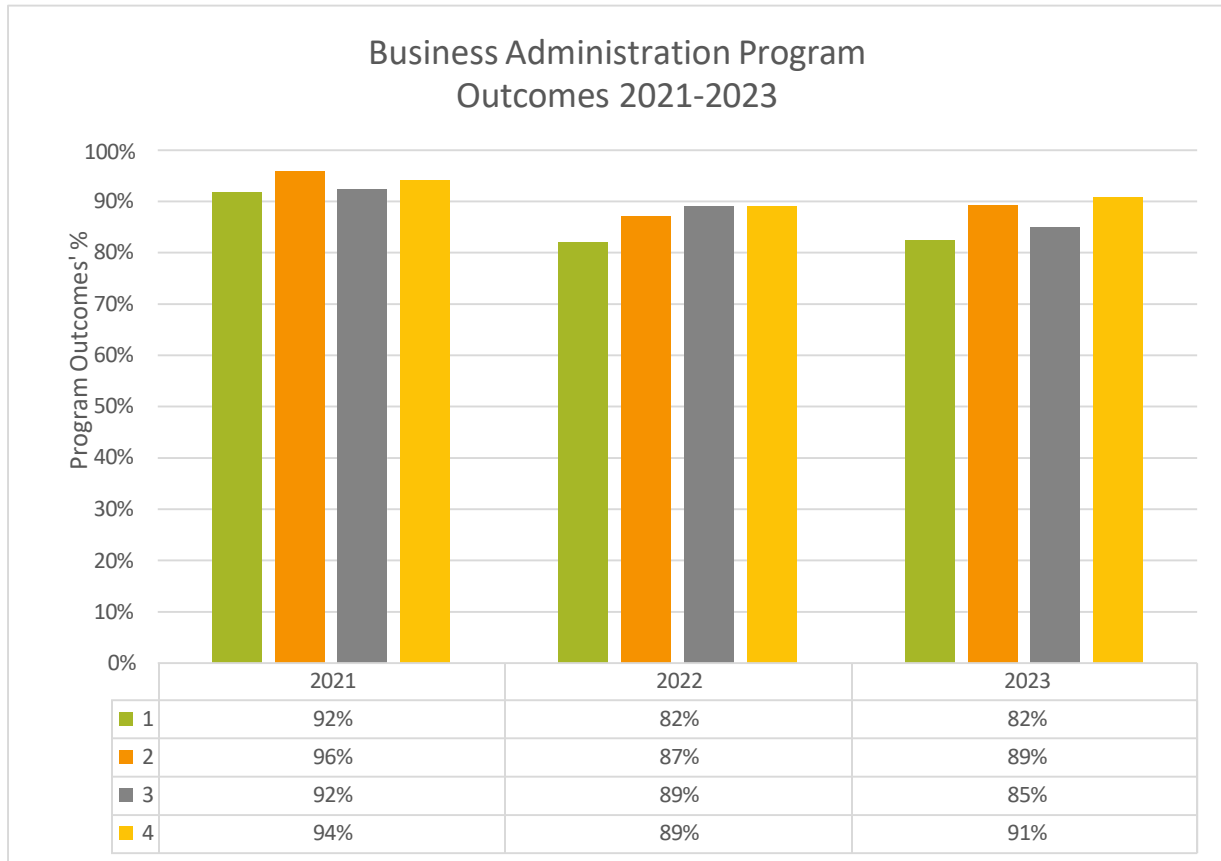


- What did you learn from the data?
 - During last academic year (2022-2023) we were able to put the data for only 10 outcomes in the form. After consulting with Kara Wheeler (DOI then) the data for Microbiology that has 15 outcomes was put in two different forms. When the data was organized and analyzed, there was some error as it shows no students having attained outcomes 11-15. During Summer 2023, the new google form was built for more than 10 outcomes. However, the adjunct instructor who taught summer 2023 Microbiology class did not enter any data for outcomes 11-15. When looking at the aggregate data for the entire Biology program for 2022-2023 academic year, it shows the percentage of program outcomes has fallen down from an average of 85% to about 75%.
- What did you not learn from the data?
 - Due to the error described above, no correct assessment can be made.
- What do you hope to learn and do differently this academic year?
 - Moving forward, we will be able to put the data for all outcomes using the revised google form. Hence, the data would be correct for us to analyze and learn from.

Business Administration

Program Outcomes, 2021-23:

1. Apply financial accounting concepts.
2. Understand legal and ethical concepts related to operating a business.
3. Evaluate information to make effective business decisions.
4. Demonstrate effective business communication skills.

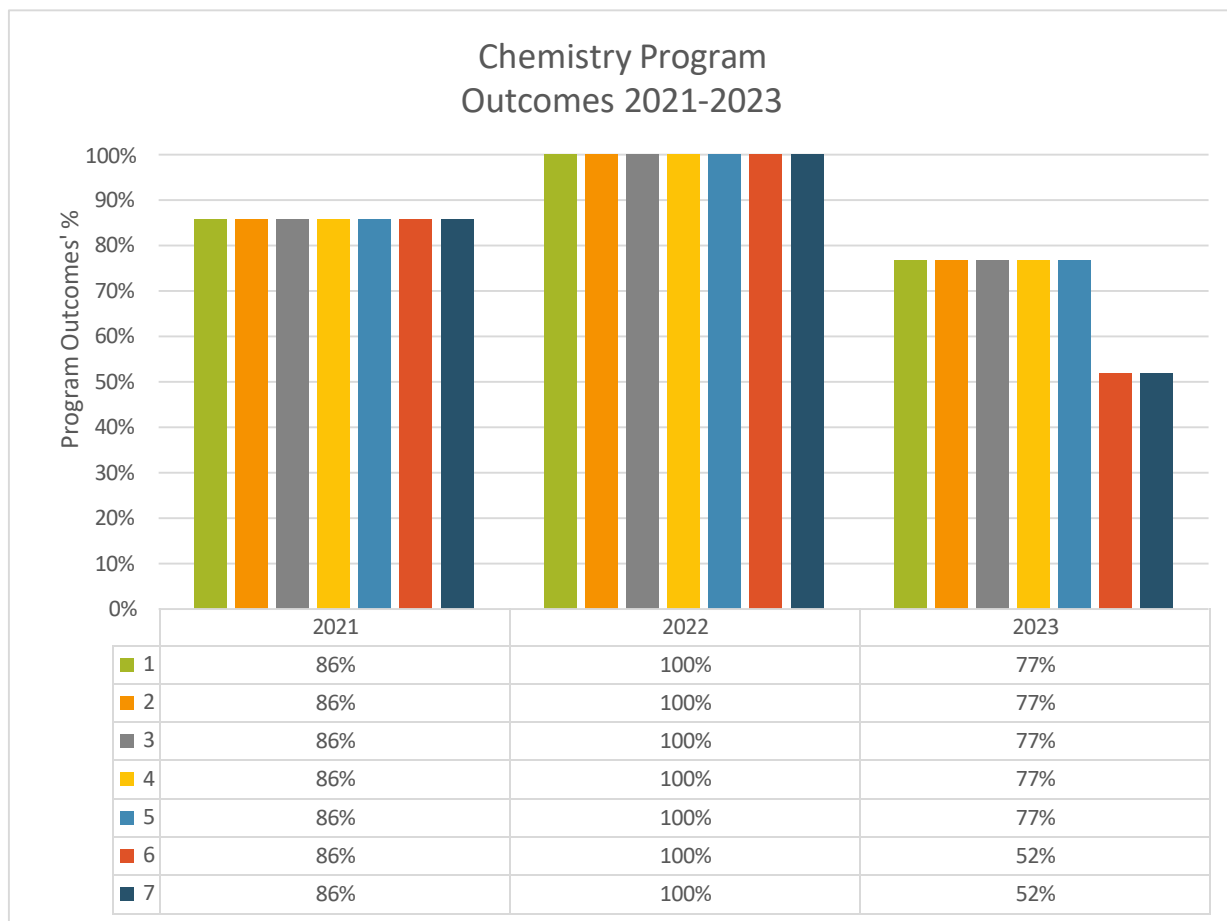


- What did you learn from the data?
 - AY2023 results were mixed compared to AY2022. Outcome 1 success rate was unchanged, outcomes 2 and 4 were improved and outcome 3 success rate declined. Outcomes assessment data showed that instructors are reflecting on their classes and making changes to improve.
- What did you not learn from the data?
 - The data does not tell us how Business Administration majors performing in their concentration classes because majors and non-majors are assessed together.
 - The success rate is 70% - the data does not tell us how far above or below this cutoff that students are performing.
- What do you hope to learn and do differently this academic year?
 - We hope to learn the impact of the new catalog/general education package on outcomes for the BUAD program.
 - We wish to see the impact of continuing the early warning grade system.

Chemistry

Program Outcomes, 2021-23:

1. Understand and explain the composition and properties of materials and the interaction of energy with materials.
2. Understand and explain how materials are transformed to other materials.
3. Explain the role of physical science in the understanding of nature, our environment, and ourselves.
4. Understand and explain how physical science is applied to better the lives of humankind.
5. Demonstrate the ability to solve problems involving the physical sciences.
6. Analyze and synthesize materials in a laboratory setting.
7. Use laboratory techniques including the use of modern instruments to analyze science systems.



- What did you learn from the data?
 - There was an increase in the data success rates. Which one could say the pandemic effected results in 2021 and now, with more open operations, student success is on the rise.
- What did you not learn from the data?
 - not applicable
- What do you hope to learn and do differently this academic year?
 - Monitoring how distance education labs impact student success and whether complete distance education labs will remain an option for transfer and hold the same level of rigor.

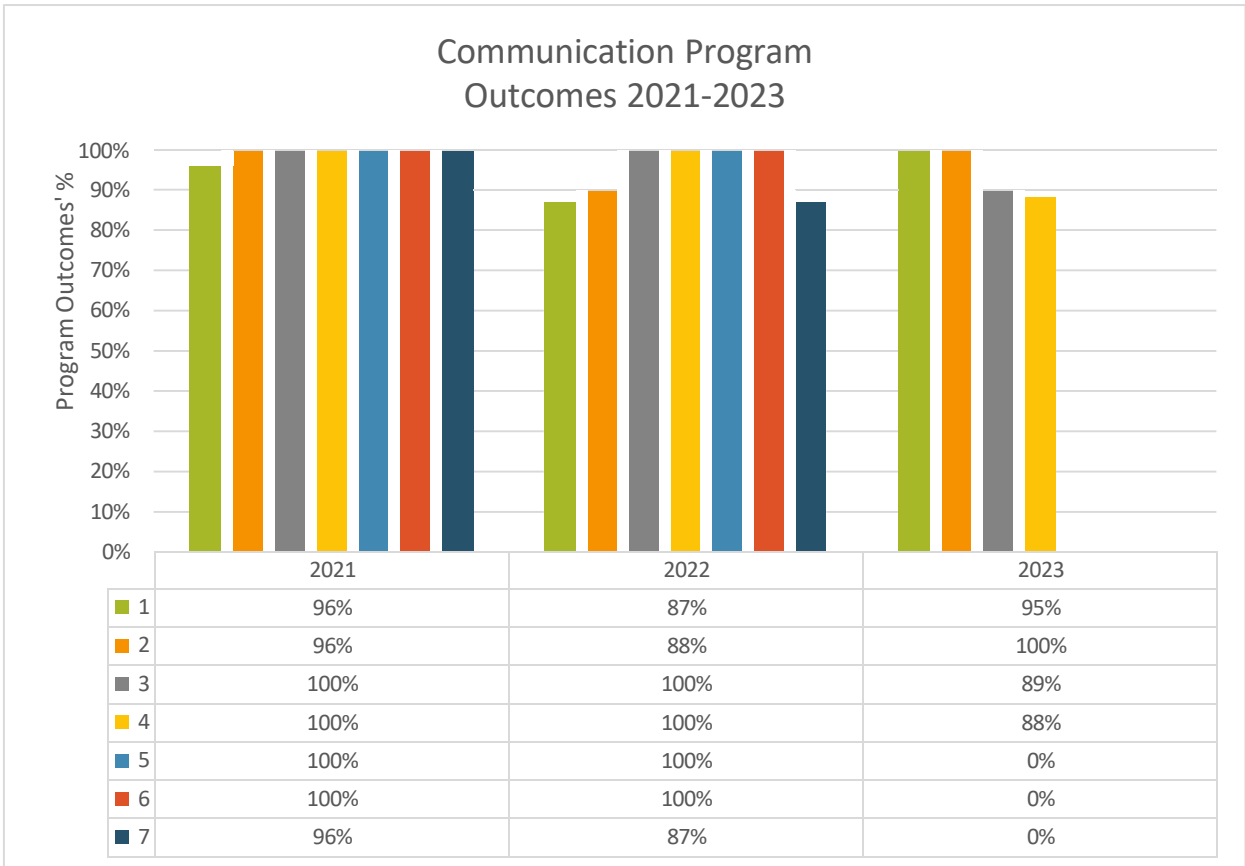
Communication

Program Outcomes, 2021-22:

1. Demonstrate competencies in reading, writing, speaking, and listening so as to effectively acquire, develop, and convey information.
2. Structure their ideas and state their positions on issues quickly, clearly, and concisely.
3. Demonstrate, understand, and apply key terms, concepts, models, and theories from Communication literature.
4. Critically evaluate various elements of critical thinking, including evidence, reasoning, and fallacies, define argumentation and understand its structure, demonstrate competencies in the art of persuasion, argument analysis and reasoning.
5. Demonstrate competencies in professional writing and advertising and public relations program planning.
6. Demonstrate an understanding of ethical codes and standards of practice typically promoted within the field of Communication and its profession.
7. Demonstrate sensitivity to human diversity and the impact of culture on communication.

Program Outcomes, 2023:

1. Compose, deliver, and analyze messages for diverse target audiences.
2. Apply appropriate tools and technologies for integrated fields of communication.
3. Demonstrate effective listening skills while receiving and delivering messages.
4. Understand the value of ethical communication and sensitivity to human diversity.

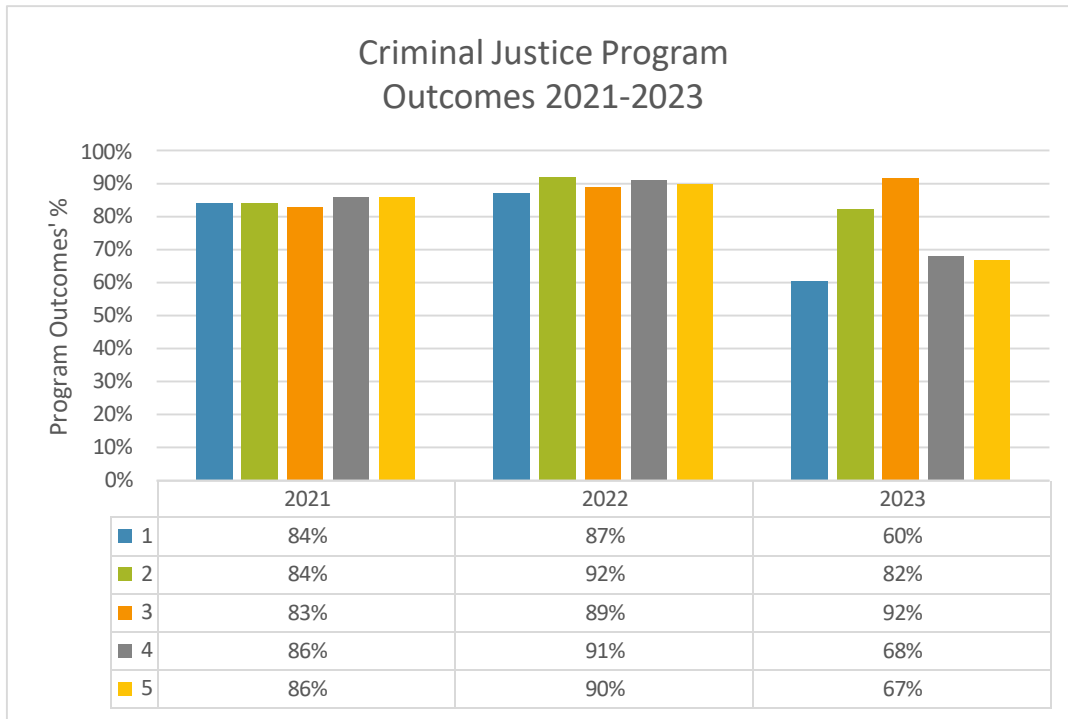


- What did you learn from the data?
 - The lowest assessment scores, and therefore areas to look for improvement include 1) helping students demonstrate effective listening skills while receiving and delivering messages and 2) helping students understand the value of ethical communication and sensitivity to human diversity.
- What did you not learn from the data?
 - What I did not learn is how the Communication Department adjuncts assess outcomes for each of their classes and therefore how accurate the overall department data actually are.
- What do you hope to learn and do differently this academic year?
 - What I hope to do for this academic year is continue trying to educate adjuncts on proper outcome assessment. I also hope the college purchases a learning management system that streamlines how faculty and adjuncts complete assessments. Every assignment should be tied to an outcome within a course and those should be tied to the department outcomes. Every faculty and adjunct should not be able to determine if they are only going to use a particular assignment to assess an entire outcome or if they are only going to use one test to assess an entire outcome. We are not comparing apples to apples when we don't have consistency across the college or even across a department.

Criminal Justice

Program Outcomes, 2021-23:

1. Demonstrate an understanding of the history of the criminal justice system and the importance of the development and application of criminal law through the legislative and judicial process.
2. Understand and demonstrate how criminal justice professionals investigate and document incidents and prepare information and evidence to be presented in court.
3. Understand how the various disciplines within the criminal justice system function and confront the complexities application of criminal justice in modern society.
4. Demonstrate an understanding of the sociological and internal agency dilemmas that effect the implementation of community policing.
5. Demonstrate an understanding of the moral, legal and ethical responsibilities of the criminal justice professional.

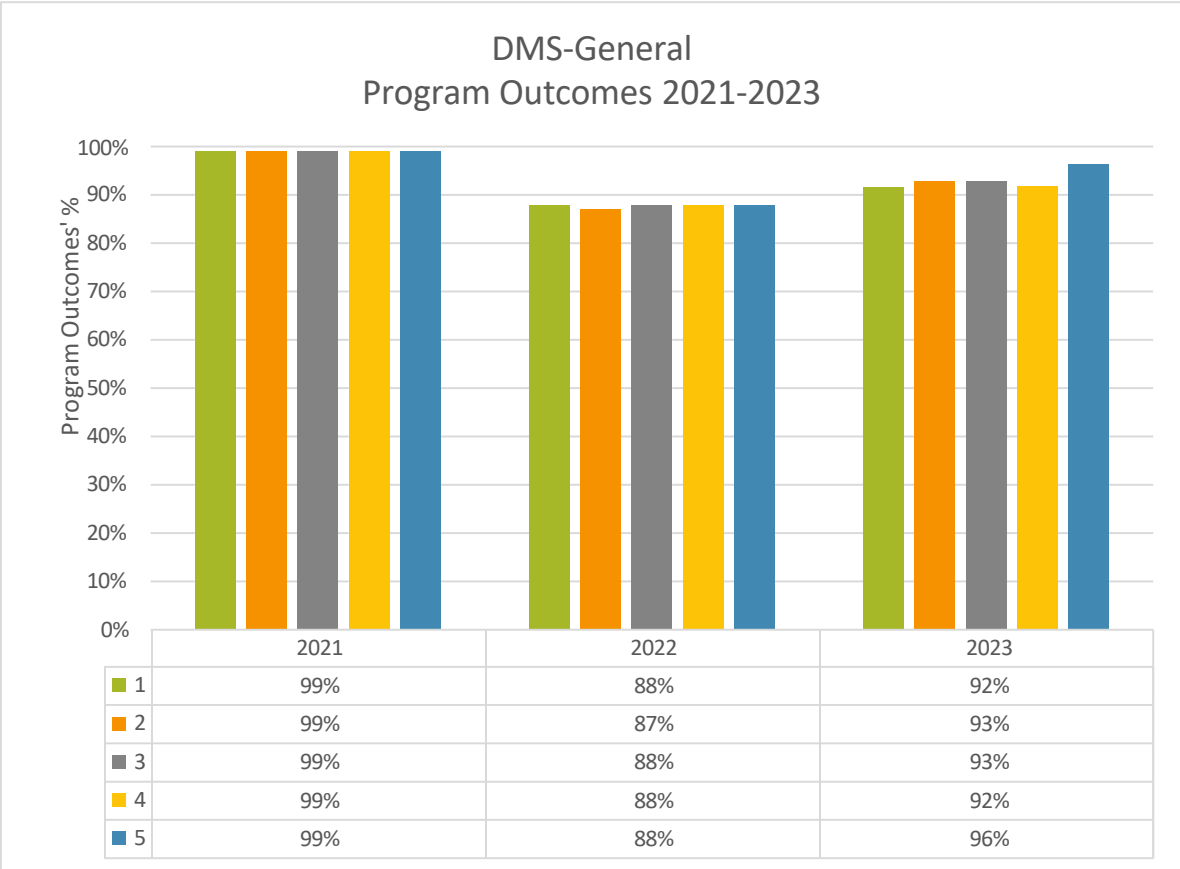


- What did you learn from the data?
 - That some of the data is greatly impacted by sample size. For example, one class had three students and one student dropped below a success rating which threw the results to 70% successfully completed the course.
 - Student interaction in an online environment gets to be a challenge (or making a personal connection with them) and can impact success rates.
 - Textbooks matter in course design.
- What did you not learn from the data?
 - Not Applicable
- What do you hope to learn and do differently this academic year?
 - We hope to work with students more in maintaining engagement throughout the entire semester. Then evaluate, if that engagement has an impact on students' grades.
 - There was a textbook change in the Ethics in Justice class. The new book was easier to read and was more applicable to undergraduate education. The previous textbook was a higher level such as graduate/dissertation. The course went smoother and students seemed to understand the content more.

Diagnostic Medical Sonography—General

Program Outcomes, 2021-23:

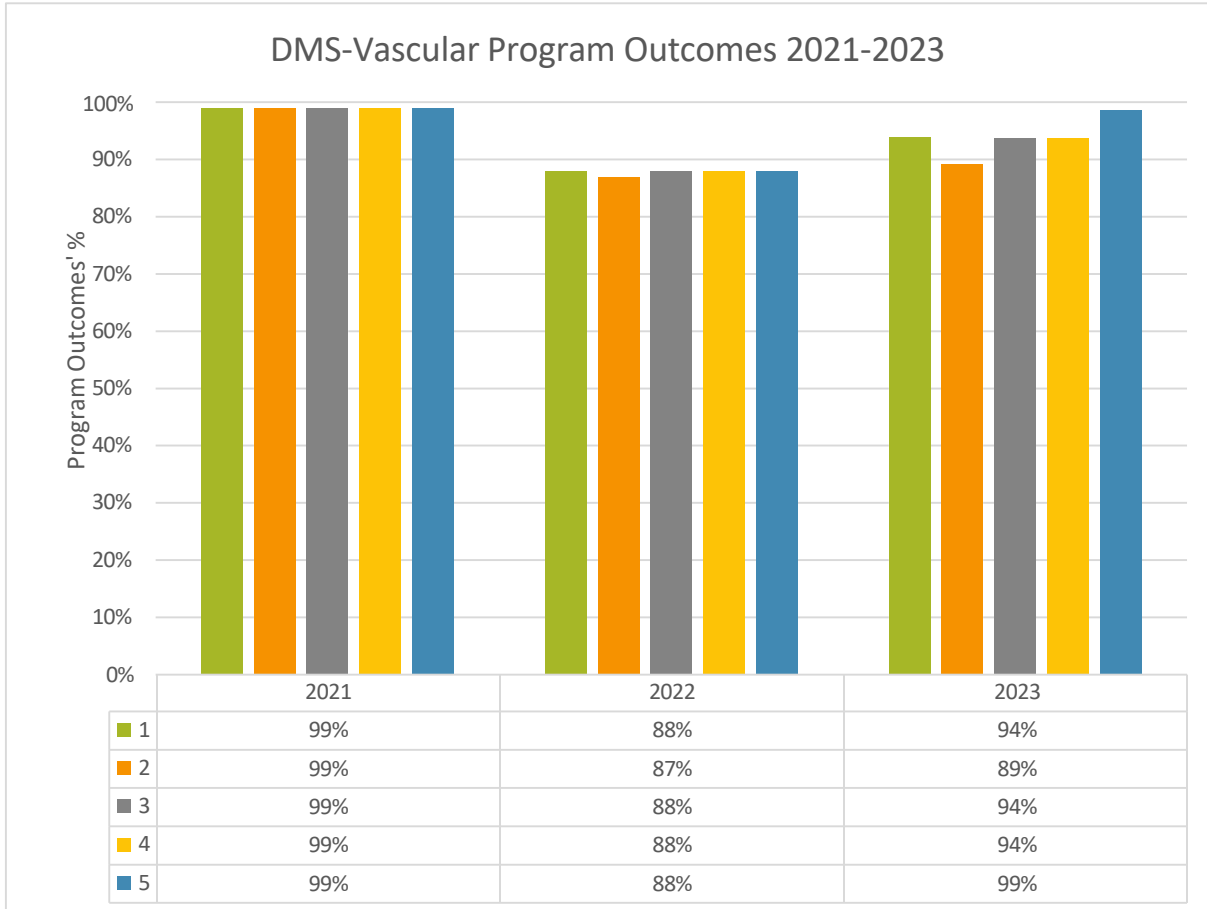
1. Be clinically competent.
2. Communicate effectively.
3. Use critical thinking and problem solving skills.
4. Evaluate the importance of professional growth and development.
5. Prepare competent entry-level general sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.



Diagnostic Medical Sonography--Vascular

Program Outcomes, 2021-23:

1. Be clinically competent.
2. Communicate effectively.
3. Use critical thinking and problem solving skills.
4. Evaluate the importance of professional growth and development.
5. Prepare competent entry-level vascular sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.



- What did you learn from the data?
 - The biggest thing I learned for the data dump is that we need to be more specific when we are entering the outcomes. Some were 100% and that doesn't really show us much. The ones that were done correctly show where the improvements need to be or if we need to update the outcome.
- What did you not learn from the data?
 - I wouldn't say I didn't learn anything. I refer to question 1 about not learning if the outcomes are not entered correctly. They will be a great tool moving forward.
- What do you hope to learn and do differently this academic year?
 - I now have a new Coordinator/instructor and the adjunct is still with me. This will be a good time to address the importance of getting the outcomes entered correctly each time, so we will begin to show a pattern of goods or bads.

DMS Certification Exam Pass Rates:

Year	Physics Exam	Abdomen Exam	Ob/GYN Exam	Vascular Exam	Employment rates	Program Completion rate
2021	8/8 tested 8/8 passed (100%)	5/5 tested 4/5 passed (80%)	1/1 tested 1/1 passed (100%)	6/6 tested 4/6 passed (67%)	5/6 employed (83%)	8 started/ 6 graduated (75%)
2022	10 of 13 Tested 8/10 or 80% passed	3 of 13 Tested 2/3 or 66% passed	2 of 13 Tested 2/2 or 100% passed	7 of 13 Tested 7/7 or 100% passed	10 of 13 Employed 76% placement 3 of 13 continuing education	14 started/ 13 graduated 92%
2023	4 of 20 Tested 4/4 or 100% passed	4 of 20 Tested 4/4 or 100% passed	6 of 20 Tested 6/6 or 100% passed	7 of 13 Tested 7/7 or 100% passed	13 of 20 Employed 65% placement 2 of the 20- continuing education. Students complete program end of July	21 started/ 20 graduated 95%

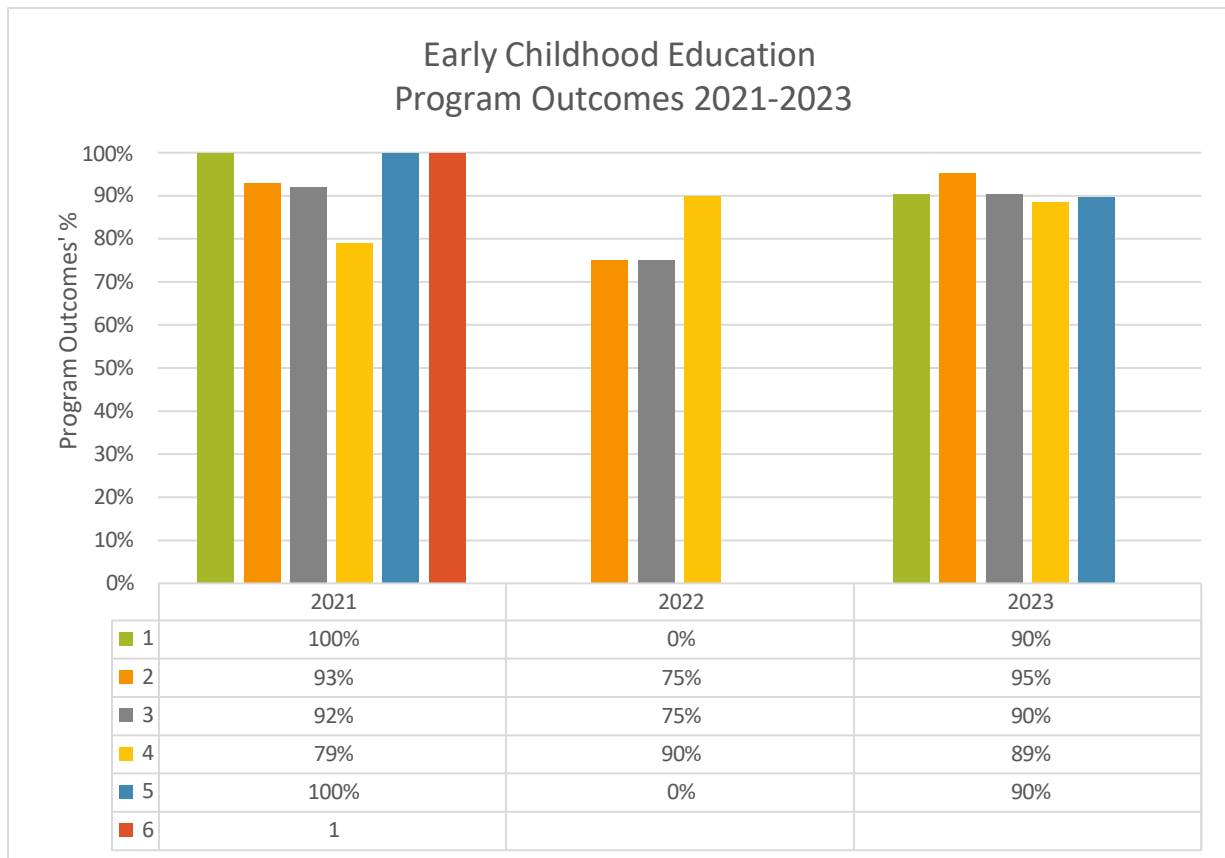
Early Childhood Education

Program Outcomes, 2021-22:

1. Organize and blend knowledge of developmental stages, processes and theories of growth, development and learning into developmentally appropriate practice.
2. Recognize the diversity of family units and cultures and the importance of building positive reciprocal relationships with families and communities.
3. Perceive developmentally appropriate content and the methods used to create/develop appropriate teaching and learning experiences for children.
4. Design and manage safe, inclusive environments that stimulate children’s development and learning.
5. Evaluate and compare assessment techniques, interpretation of data, and the application of assessment results to maximize curriculum development and intervention planning
6. Distinguish the early childhood profession’s multiple philosophical and social foundations, and the early childhood professional codes of ethical conduct.

Program Outcomes, 2023:

1. Organize and blend knowledge of developmental stages, processes and theories of growth, development and learning into developmentally appropriate practice.
2. Recognize the diversity of family units and cultures and the importance of building positive reciprocal relationships with families and communities.
3. Develop developmentally appropriate teaching and learning experiences for children.
4. Evaluate and compare assessment techniques, interpretation of data, and the application of assessment results to maximize curriculum development and intervention planning.
5. Articulate ethical guidelines and standards of professional conduct.



- What did you learn from the data?
 - There was a dip in the outcome ratings in AY22. There were staff and curricular changes during that time frame and the data reflects the impact of those changes.
- What did you not learn from the data?
 - How successful year to year students actually were due to the curricular and staffing change.
- What do you hope to learn and do differently this academic year?
 - The college will be looking at implementing more stability in the educational offerings, especially with the state initiative for elementary education.

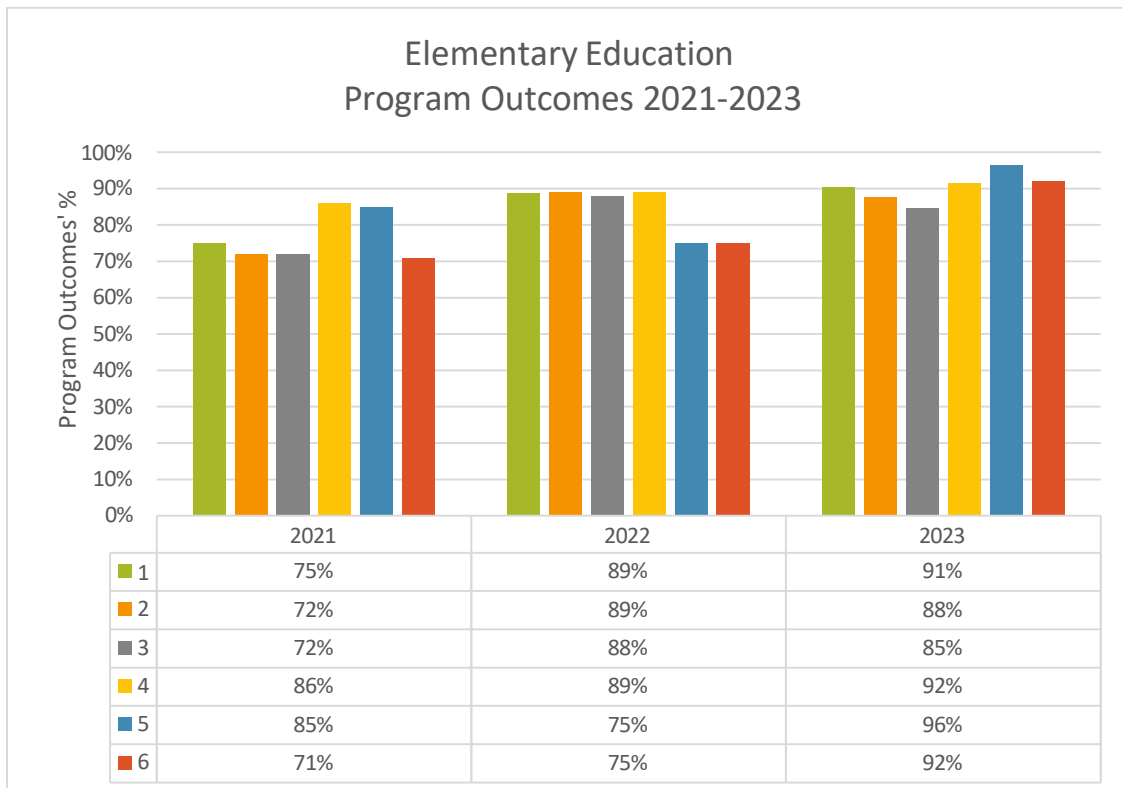
Elementary Education

Program Outcomes, 2021-22:

1. Demonstrate effective oral, written and non-verbal communication skills.
2. Evaluate the roles of education as it relates to teachers and the teaching profession.
3. Analyze the characteristics of an effective school and teacher in the classroom.
4. Demonstrate effective skills in evaluating and selecting children’s literature.
5. Analyze fundamentals in music related to elementary education.
6. Demonstrate on understanding of art theories and fundamentals related to elementary education.

Program Outcomes, 2023:

1. Analyze, through observation and reflection, a variety of educational philosophies and approaches and develop personal learning styles and an individual teaching philosophy.
2. Compare a variety of instructional strategies and methods that address individual learners and learning styles in order to develop collaborative critical thinking and creative problem solving in a variety of student populations.
3. Employ effective interpersonal, instructional and cultural techniques in order to foster active learning, dialogue, collaboration, and positive interaction with peers, school officials, parents, and learners.
4. Demonstrate the understanding and knowledge needed to promote cross-cultural understanding and educational equity in the classroom, through the adaptation of curriculum, coupled with instructional strategies, to meet the diverse needs of students.
5. Design inquiry-based learning experiences that integrate technologies to engage students in individual and collaborative learning.
6. Describe what it means to be a competent, ethical, and professional teacher in a democratic, diverse, and technological society in order to develop commitment to professional growth and to the legal and ethical responsibilities of public school teachers.



- What did you learn from the data?
 - There was a slight increase in student success. Even with the transition occurring with staffing and curriculum the focus, due to workforce shortages, had been on elementary education.
- What did you not learn from the data?
 - How the focus will impact long-term student success. The universities started a fast-track program and transitioned to distance education opportunities to fill a workforce shortage. That and articulations with them have increased our student enrollment and opportunities. Additionally, the state conducted a program-to-program alignment for elementary education that would allow the transfer of all 60 hours into a university program which the college will be participating in this coming year.
- What do you hope to learn and do differently this academic year?
 - We hope to be able to collect long term success for seamless transfer and see if the program-to-program alignment helps play a role in student success by incentivizing guaranteed transfer courses.

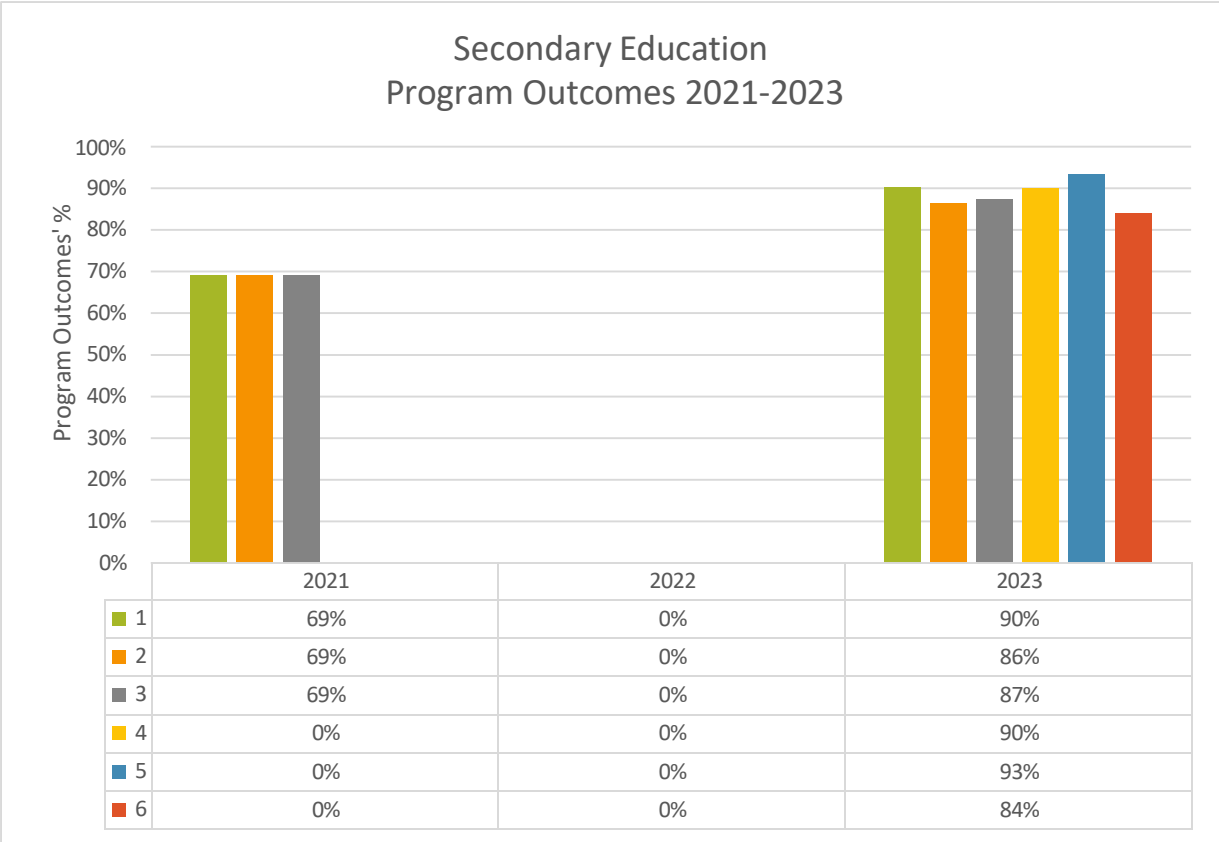
Secondary Education

Program Outcomes, 2021-22:

1. Demonstrate effective oral, written and non-verbal communication skills.
2. Evaluate the roles of education as it relates to teachers and the teaching profession.
3. Analyze the characteristics of an effective school and teacher in the classroom.

Program Outcomes, 2023:

1. Analyze, through observation and reflection, a variety of educational philosophies and approaches and develop personal learning styles and an individual teaching philosophy.
2. Compare a variety of instructional strategies and methods that address individual learners and learning styles in order to develop collaborative critical thinking and creative problem solving in a variety of student populations.
3. Employ effective interpersonal, instructional and cultural techniques in order to foster active learning, dialogue, collaboration, and positive interaction with peers, school officials, parents, and learners.
4. Demonstrate the understanding and knowledge needed to promote cross-cultural understanding and educational equity in the classroom, through the adaptation of curriculum, coupled with instructional strategies, to meet the diverse needs of students.
5. Design inquiry-based learning experiences that integrate technologies to engage students in individual and collaborative learning.
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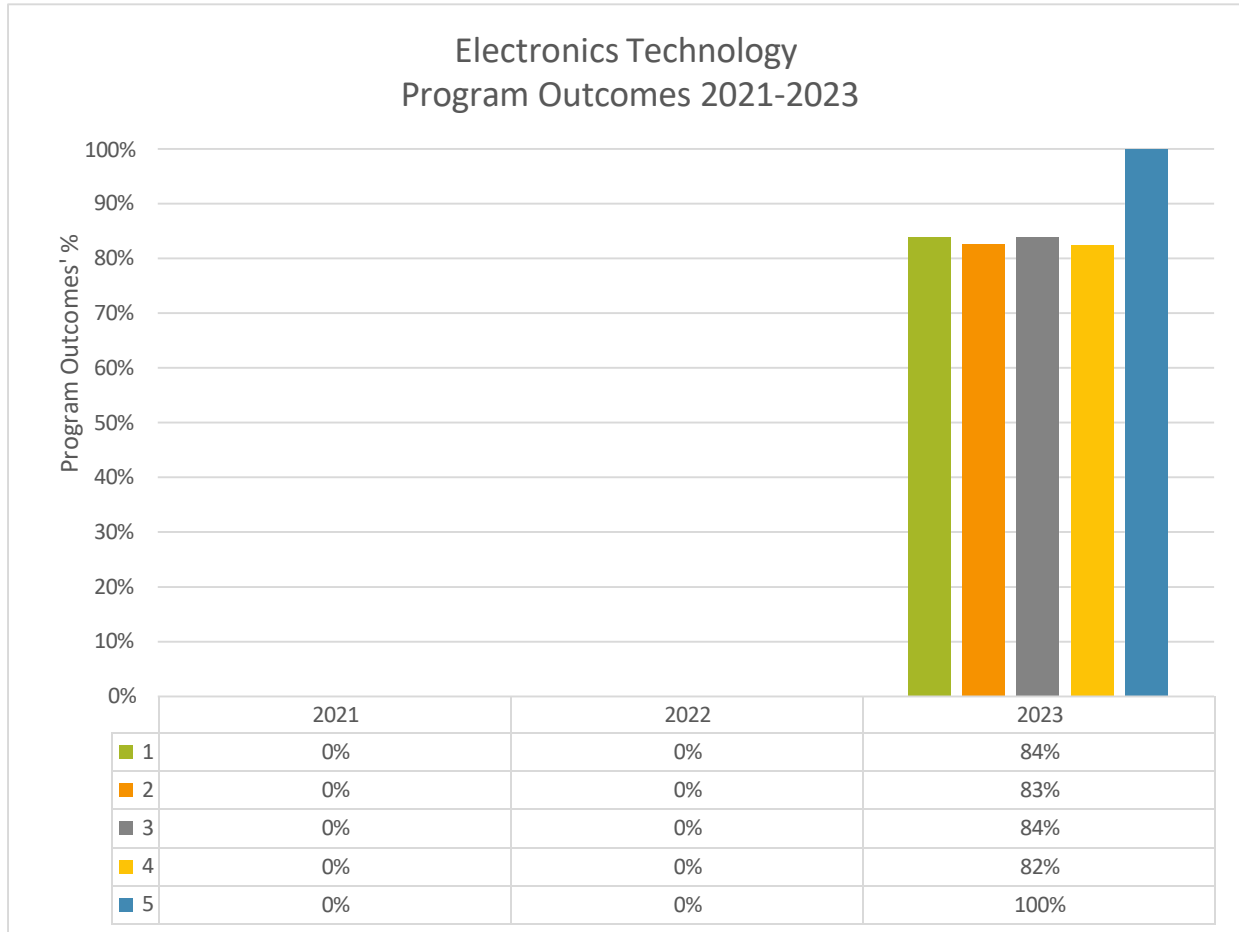


- What did you learn from the data?
 - That there were gaps in how the data was being collected.
 - The gaps in data were identified by the variety of course options available to students who might be going a specific disciplinary route such as Math, History, English, etc.
- What did you not learn from the data?
 - Skewed data points based upon the selection of measures.
- What do you hope to learn and do differently this academic year?
 - The program outcomes were realigned using education courses as the base. We hope to now have a better student outcome data measurement. Thus, leading to better assessments and more year-to-year consistency.

Electronics Technology

Program Outcomes, 2023:

1. Apply knowledge, techniques, skills, and modern tools of math, science, and technology to solve broadly-defined electronics technology activities.
2. Design systems, components, and processes meeting specified needs for electronics technology problems.
3. Apply written, oral, and graphical communication in technical and non-technical environments, and the ability to identify and use appropriate technical literature.
4. Apply circuit analysis and design, analog and digital electronics, and engineering standards to the building, testing, operation, and maintenance of electrical/electronic systems.
5. Successfully complete job searches and application processes and sit for the CET exam.

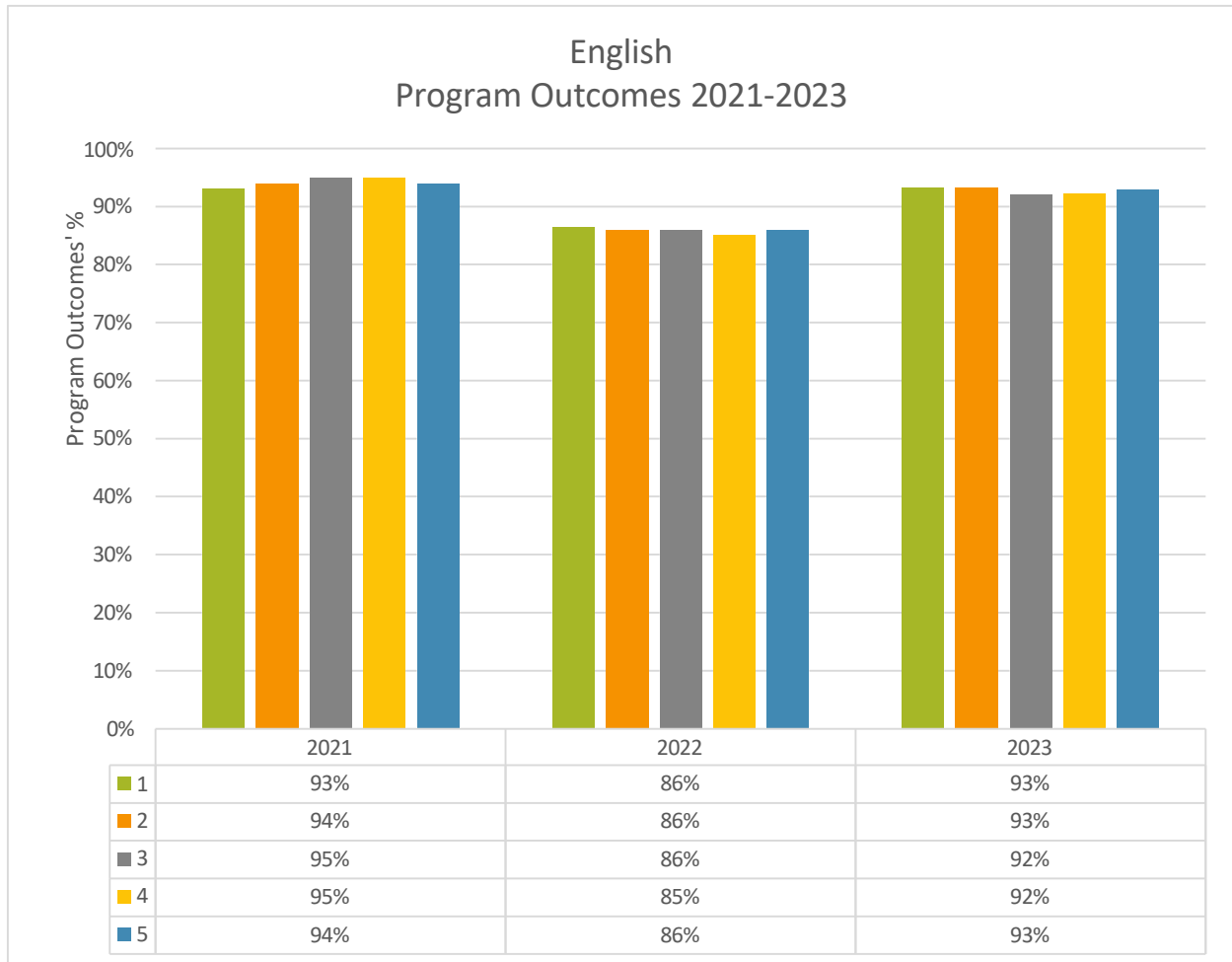


- What did you learn from the data?
 - The data for the electronics technology program was just created in April. For the program there was no program outcomes, therefore, they were created just recently. It will take another year to get a good data set point to see if the program is meeting the criteria.
- What did you not learn from the data?
 - N/A
- What do you hope to learn and do differently this academic year?
 - I hope to learn that the students will meet the student learning outcomes as well as the program outcomes and that more students will sit for the ISCET test next fall and obtain that credential.

English

Program Outcomes, 2021-23:

1. Demonstrate effective writing skills.
2. Understand and apply the specific vocabulary of literature.
3. Apply critical thinking skills to explore and understand the layers and ambiguity of meaning in written texts.
4. Demonstrate effective critical reading skills.
5. Incorporate the world of the author, the world of the text, and the student’s own world and experiences to produce meaning.



- What did you learn from the data?
 - Adjuncts are not putting enough thought and depth into responses.
- What did you not learn from the data?
 - We would like to see more strategies for improvement suggested by everyone.
- What do you hope to learn and do differently this academic year?
 - We will reemphasize, at our inservice meetings, the importance of the information teachers provide.

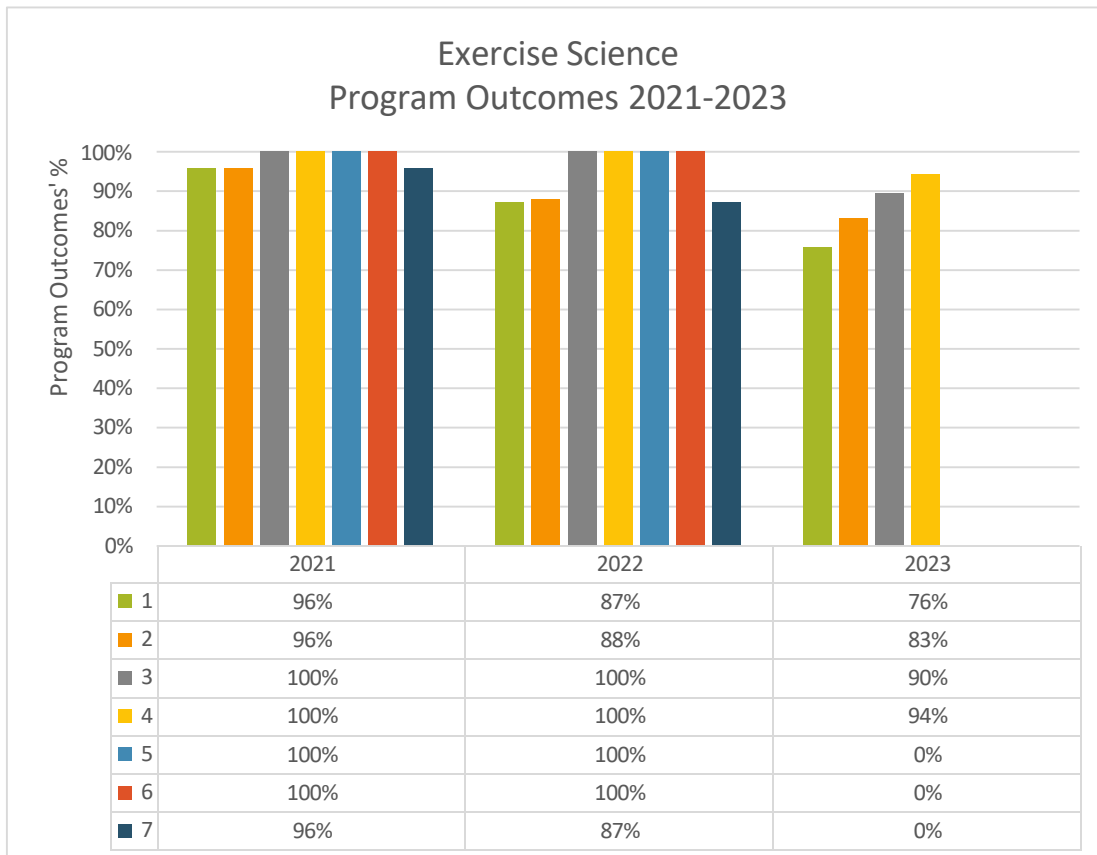
Exercise Science

Program Outcomes, 2021-22:

1. Recognize the introductory concepts, common terminology, and history of Exercise Science.
2. Demonstrate concepts fitness testing, examination, and prescription of fitness programs.
3. Recognize general medical conditions, injuries, and health concerns in exercise planning.
4. Demonstrate various methods of strength training, group exercise, and fitness training.
5. Analyze and define biomechanical movements and principles.
6. Analyze dietary concerns and demonstrate knowledge of dietary planning for health conditions.
7. Demonstrate the ability to prepare, instruct, and analyze a fitness program for individual and group work.

Program Outcomes, 2023:

1. Describe, understand, and apply basic scientific knowledge, concepts and theories of nutrition, anatomy, physiology, biomechanics, metabolism and other supplementary topics as they relate to human movement and exercise.
2. Perform individualized and/or group physical fitness/health assessments. Demonstrate the ability to select, perform and analyze various clinical tests and exams associated with determining current status or improvement of health and fitness in accordance with accepted guidelines.
3. Develop exercise and fitness programs for healthy and special populations, providing modifications in response to health and performance goals.
4. Demonstrate the ability to effectively communicate (verbal, written, etc.) as a means to educate and manage the safe and proper instruction for fitness testing and/or exercise.

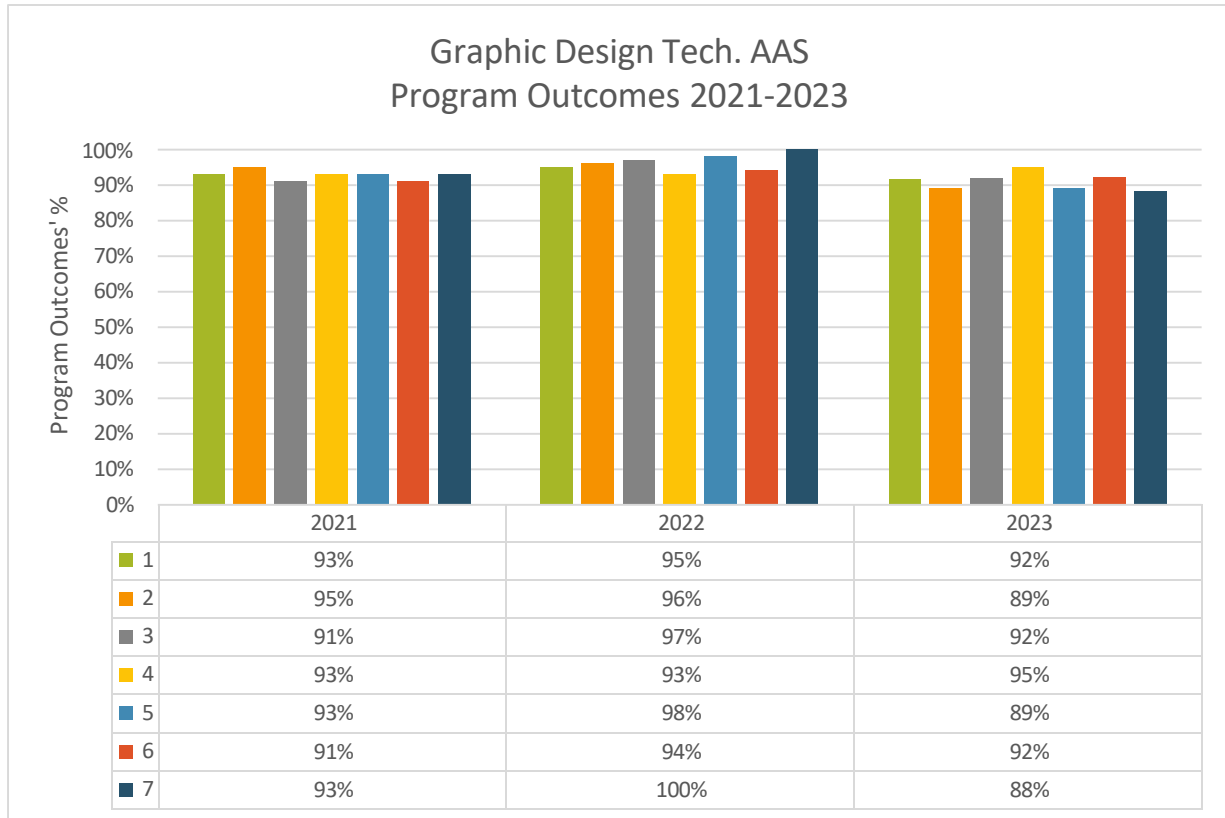


- What did you learn from the data?
 - Program alignment efforts undertaken at the conclusion of AY22 have led to more consistent data that lends to better analysis and provides a better foundation for continued improvement. Adjustments to content in applicable courses led to more accurate assessment of student learning and has given clear indicators for targeted instructional improvements.
- What did you not learn from the data?
 - N/A.
- What do you hope to learn and do differently this academic year?
 - Continued efforts in adjusting teaching methods to better address student learning gaps.

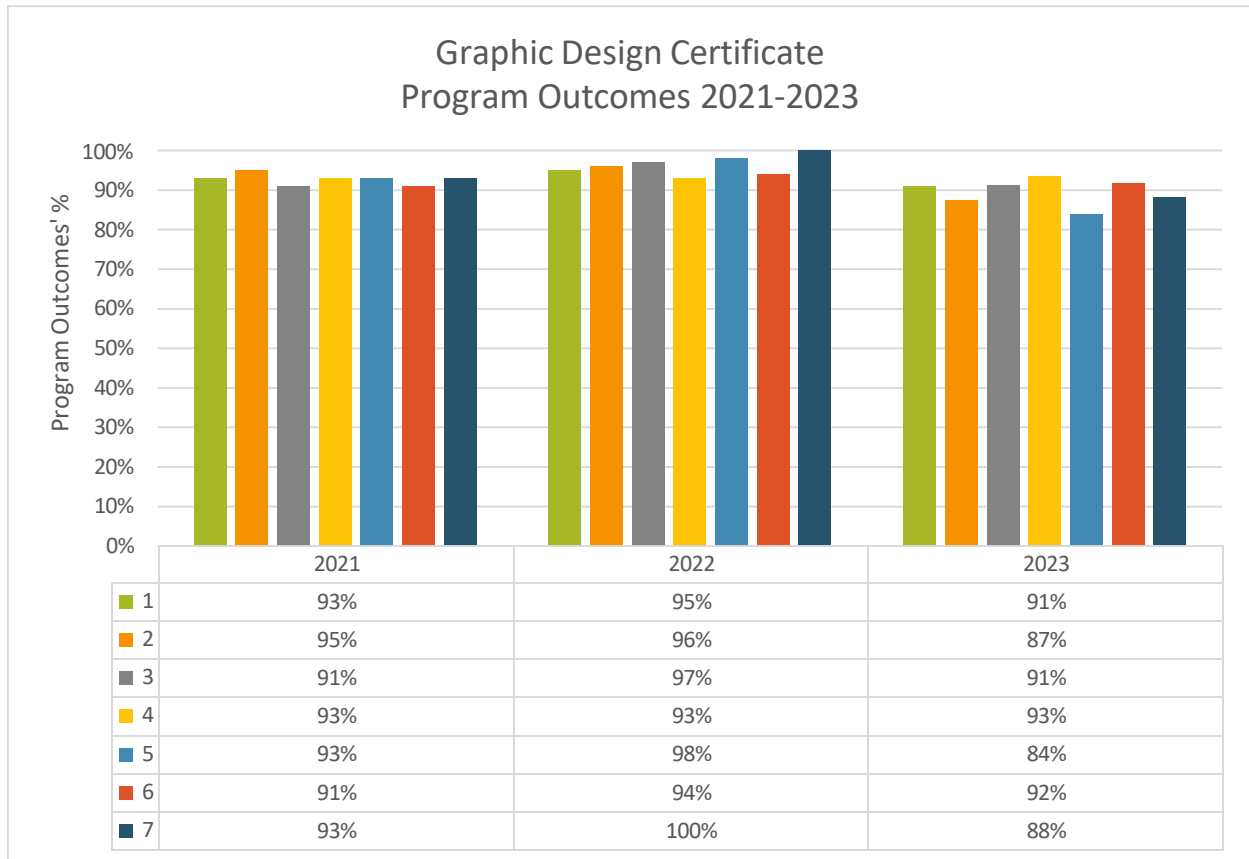
Graphic Design Technology—AAS and Certificate

Program Outcomes, 2021-23:

1. Demonstrate a working knowledge of the design process through conceptualization, thumbnail sketching, storyboarding, roughs, and final comprehensives.
2. Create effective visual communication based on a solid understanding of the history, theories, and fundamentals of design.
3. Apply the critical thinking process to visual communication problem solving through identification, research, analysis, and generation of design solutions.
4. Employ effective file and time management skills in the production and organization of multiple project deadlines.
5. Understand and utilize appropriate tools and technologies to efficiently create, capture, and manipulate design elements in the preparation of a final product.
6. Develop the ability to evaluate, critique, defend, and support design concepts and solutions of self and others, both verbally and in writing.
7. Assemble and present a professional design portfolio, demonstrating craftsmanship in both traditional and digital formats, for the purpose of entering the job market



- What did you learn from the data?
 - That there is a need for a comprehensive revision of all course outcomes to reflect major changes in technology and the evolving field of graphic design. The decrease in outcome #2 is most likely due to the decreased use of textbooks.
- What did you not learn from the data?
 - How non-majors perform versus majors, and the reason why the use of tools and technologies has decreased significantly.
- What do you hope to learn and do differently this academic year?
 - Revise all course outcomes and seek OER textbook options to improve performance in understanding the history, theories, and fundamentals of design.

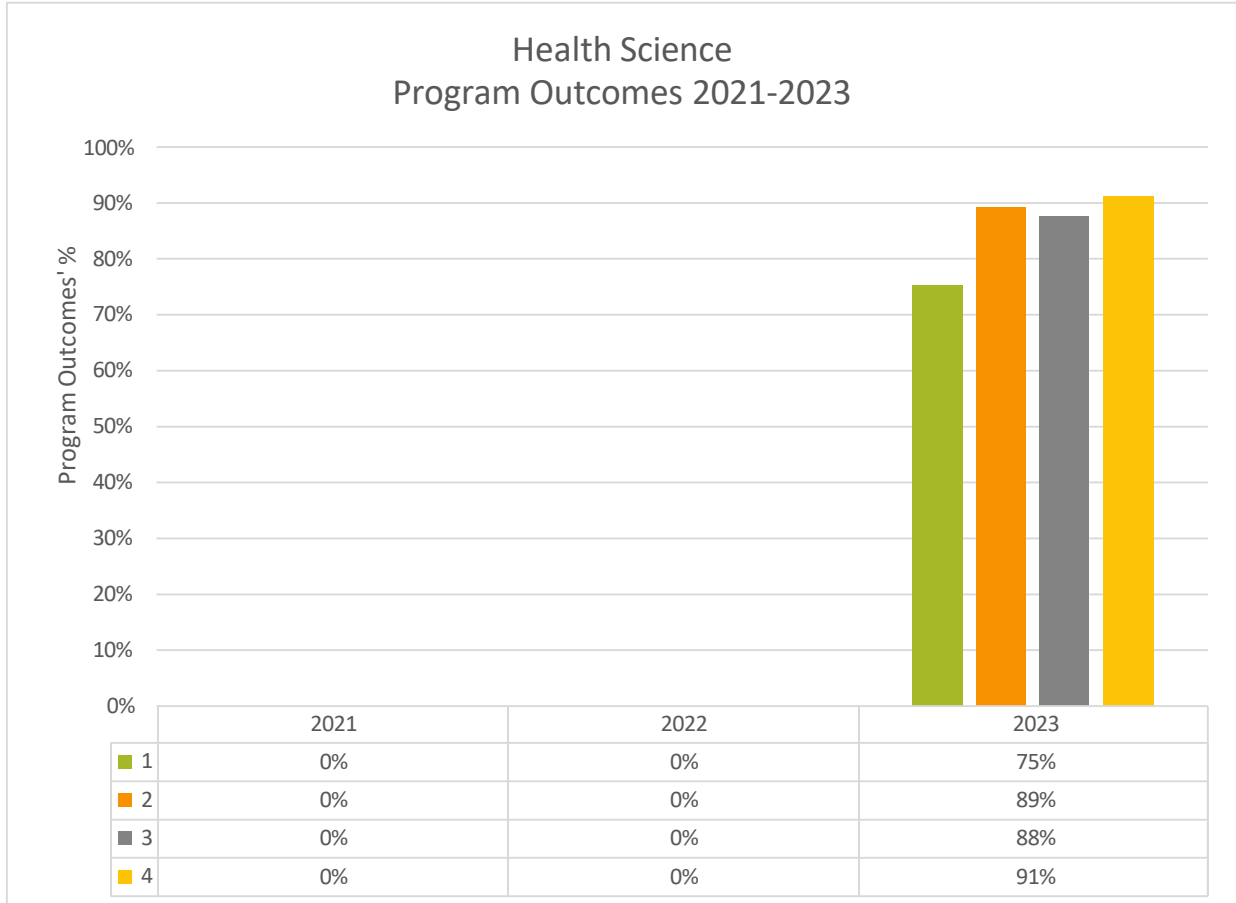


- What did you learn from the data?
 - That there is a need for a comprehensive revision of all course outcomes to reflect major changes in technology and the evolving field of graphic design. The decrease in outcome #2 is most likely due to the decreased use of textbooks.
- What did you not learn from the data?
 - How non-majors perform versus majors, and the reason why the use of tools and technologies has decreased significantly.
- What do you hope to learn and do differently this academic year?
 - Revise all course outcomes and seek OER textbook options to improve performance in understanding the history, theories, and fundamentals of design.

Health Science

Program Outcomes, 2023:

1. Explain the social and biological causes of health and illness.
2. Explain the knowledge and skills needed to perform effectively within the context of disease prevention and the promotion of health.
3. Articulate a holistic view of the determinants of mental health and psychopathology.
4. Develop an understanding of the role of policy, ethics, and resources in the management of prevention programming and health science delivery.



- What did you learn from the data?
 - The implementation of program outcomes for Health Science resulted in improved data consistency for enhanced program analysis. Modifications made to course content have resulted in more precise assessments of student learning and have provided clear signals for specific instructional enhancements to be made moving forward.
- What did you not learn from the data?
 - We have not collected data long enough to analyze long-term trends
- What do you hope to learn and do differently this academic year?
 - Collecting more data to enable analysis of long-term trends.

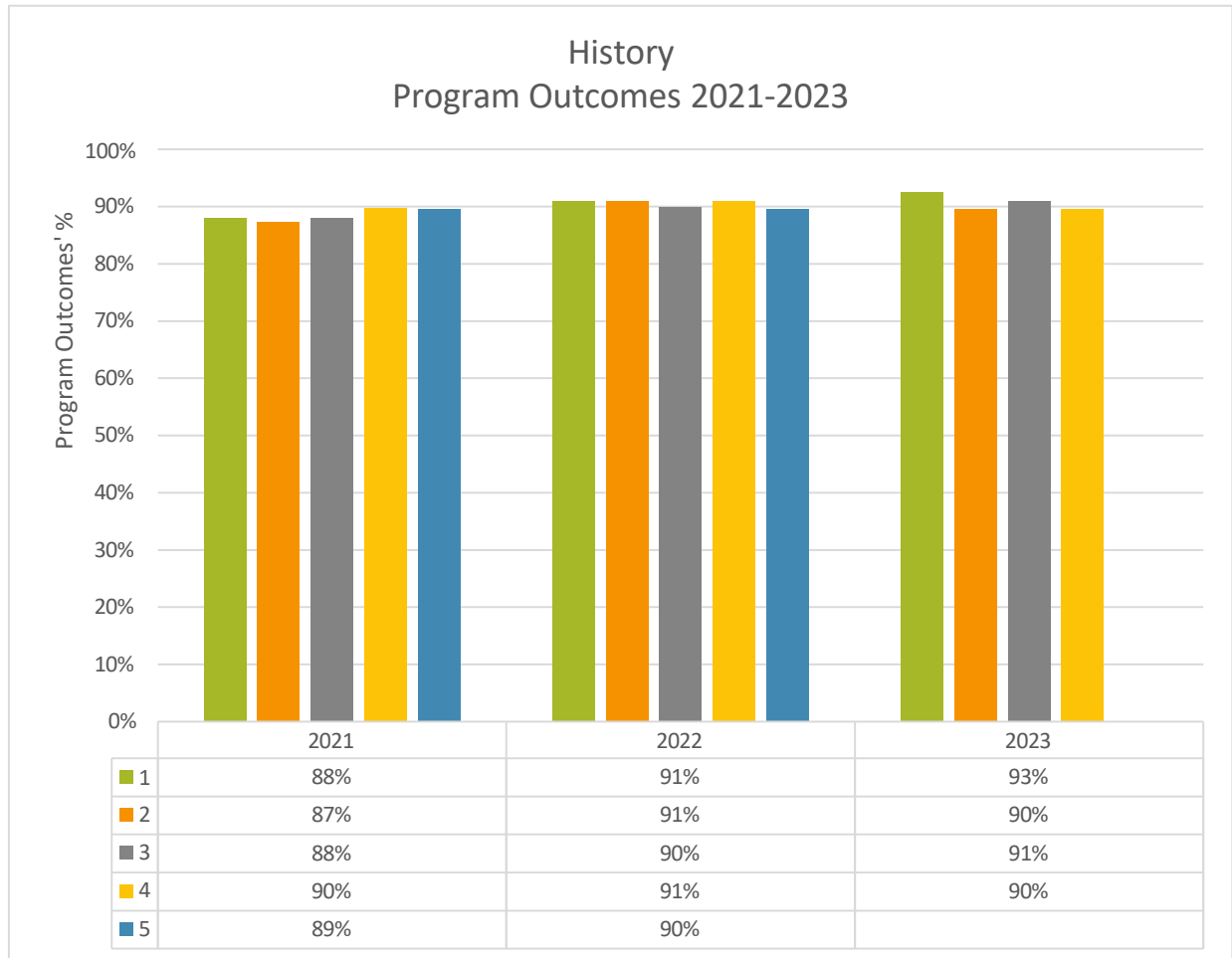
History

Program Outcomes, 2021-22:

1. Demonstrate ability to analyze events from different groups' points of view
2. Demonstrate ability to evaluate sources, data, and technical concepts
3. Demonstrate ability to analyze and evaluate change over time
4. Demonstrate effective written communication skills
5. Demonstrate ability to analyze causes and consequences of major events

Program Outcomes, 2023:

1. Demonstrate ability to evaluate sources
2. Demonstrate ability to analyze and evaluate change over time
3. Demonstrate effective written communication skills
4. Demonstrate ability to analyze causes and consequences of major events



- What did you learn from the data?
 - It's difficult to learn much, since the data isn't very granular, and it's hard to see why numbers might go up or down.
- What did you not learn from the data?
 - Why numbers increased or decreased year to year.
- What do you hope to learn and do differently this academic year?
 - I'd like to make some changes so that outcomes map to specific assignments, which may be difficult because each of my history classes only has two outcomes.

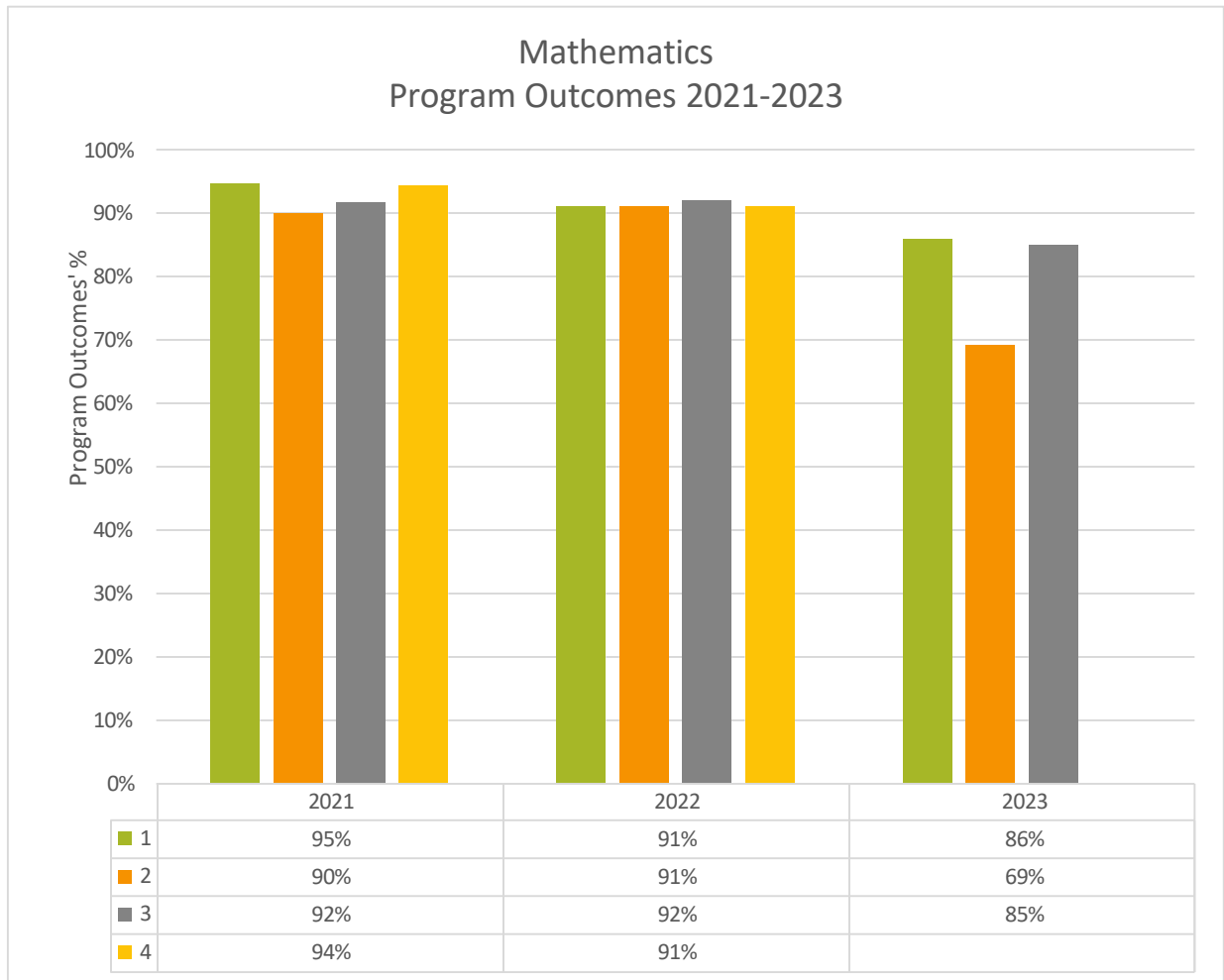
Mathematics

Program Outcomes, 2021-22:

1. Apply the calculation rules and concepts of mathematics to solve problems.
2. Use of the scientific method to perform experiments, create reports and collect and analyze numerical data to solve problems in a variety of contexts.
3. The ability to collect and analyze data to test hypotheses and theories.
4. Use of critical thinking skills, problem solving skills, and a knowledge and use of logic to analyze and solve problems.

Program Outcomes, 2023:

1. Apply the calculation rules and concepts of mathematics to solve problems.
2. Collect and analyze data to test hypotheses and theories.
3. Use critical thinking skills, problem solving skills, and a knowledge and use of logic to analyze and solve applications problems.



- What did you learn from the data?
 - The math department revised its program outcomes during AY23. The department feels that the revised outcomes better reflect the mission of the department. As a result of this reorganization the graphs for AY23 do not match the graphs for AY22. After investigation, it is apparent that incorrect and incomplete data was provided by some math faculty members which have skewed the data significantly. This affect was most notable in the measurement of Program Outcome #2. When the data was corrected as a test,

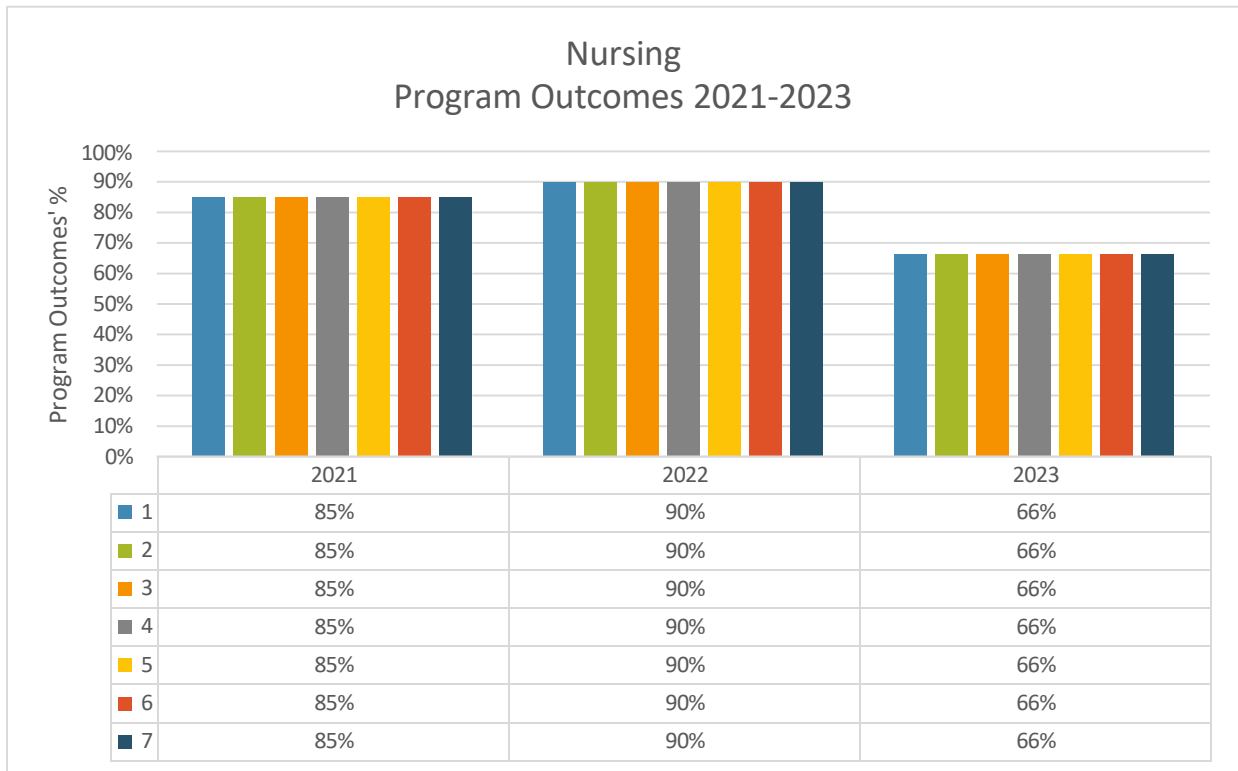
calculations indicated that 94% of students assessed attained Program Outcome #2 as compared to the 69% reported.

- What did you not learn from the data?
 - The department did not learn anything actionable about curriculum or instructional strategies.
- What do you hope to learn and do differently this academic year?
 - The department plans to work with adjunct faculty to ensure that student outcomes are reported accurately. The department would also like to coordinate better with the administration and between departmental faculty members regarding reflection expectations and data collection best practices. For instance, we would like to better establish the measurements instructors will use in reporting outcomes assessment data.

Nursing

Program Outcomes, 2021-23:

1. Integrate caring behaviors in practicing the art and science of nursing within a diverse population.
2. Implement professional standards and scope of practice within legal, ethical, and regulatory frameworks.
3. Collaborate with clients and members of the interdisciplinary health care team to optimize client outcomes.
4. Formulate safe and effective clinical judgments guided by the nursing process, clinical reasoning, and evidence-based practice.
5. Manage care and provide leadership to meet client needs using available resources and current technology.
6. Generate teaching and learning processes to promote and maintain health and to reduce risks for a variety of clients.
7. Demonstrate effective communication methods to manage client needs and to interact with other health care team members.



- What did you learn from the data?
 - The nursing program admitted fewer students due to COVID limitations and smaller numbers of qualified applicants. A smaller class size creates a significant impact on the overall program retention rate.
- What did you not learn from the data?
 - Students must meet each program outcome to progress through the program.
- What do you hope to learn and do differently this academic year?
 - Admit more students into the program. Increase efforts to retain students in the program using remediation strategies. Increase faculty participation in student recruitment efforts.

NCLEX 1st Attempt Pass Rates:

Year	# of Testers	PN*	# of Testers	RN
2021	10	100%	20	90%
2022	14	100%	12	91.67%
2023**	10	100%	27	100%

**Bi-level RN Program with the option to take the PN exam. Not all students take the PN exam.*

***2023 results are not official until December 2023, when the Kansas State Board of Nursing will publish official 2023 first time pass rates. Report date: 9/18/2023.*

The Associate Degree Nursing Program at Labette Community College located in Parsons, Kansas is accredited by the:

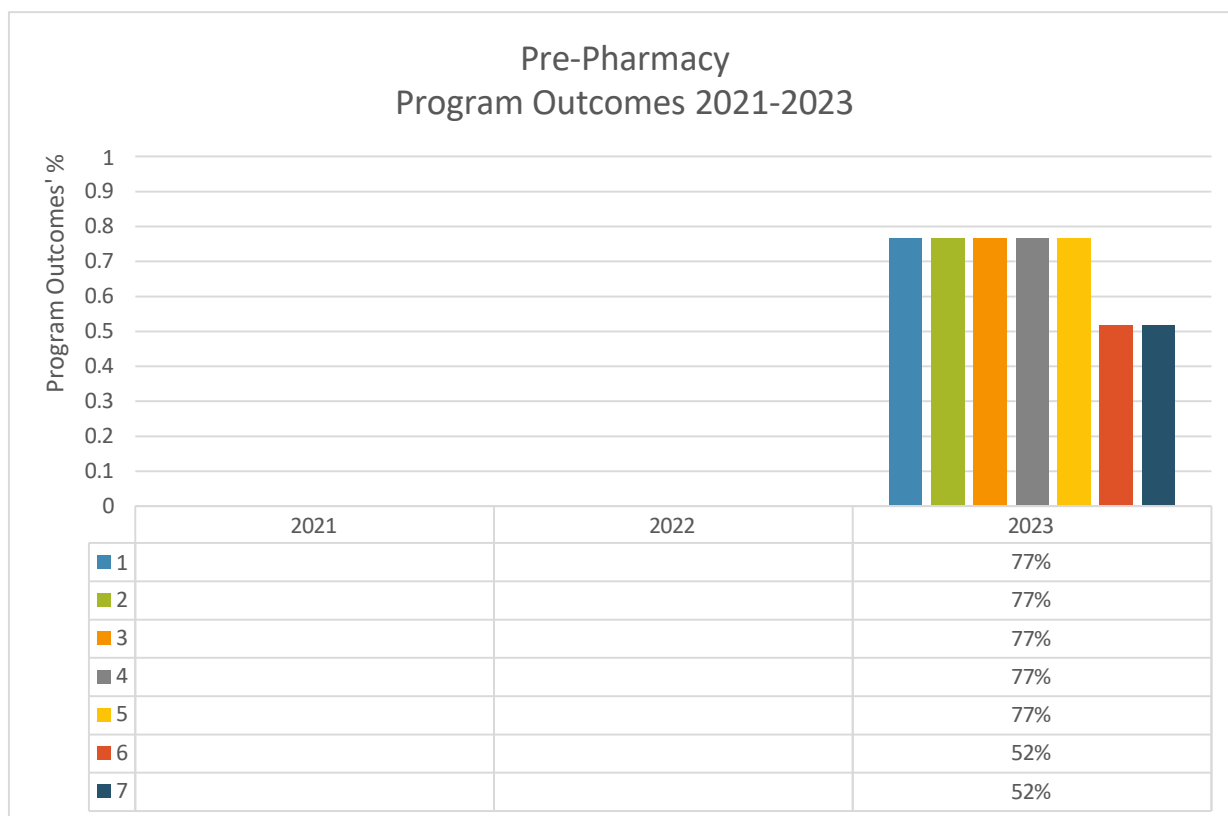
Accreditation Commission for Education in Nursing (ACEN)
 3390 Peachtree Road NE, Suite 1400
 Atlanta, GA 30326
 (404) 975-5000
www.acenursing.org

The most recent accreditation decision made by the ACEN Board of Commissioners for the Associate Degree Nursing Program is Continuing Accreditation. View the public information disclosed by the ACEN regarding this program at <http://www.acenursing.com/accreditedprograms/programsearch.htm>

Pre-Pharmacy

Program Outcomes, 2023:

1. Understand and explain the composition and properties of materials and the interaction of energy with materials.
2. Understand and explain how materials are transformed to other materials.
3. Explain the role of Chemistry and its sister sciences in the understanding of Nature, our environment, and ourselves.
4. Understand and explain how Chemistry is applied to better the lives of humankind.
5. Demonstrate the ability to solve problems involving chemical systems.
6. Analyze and synthesize materials in a laboratory setting.
7. Use laboratory techniques including the use of modern instruments to analyze chemical systems.

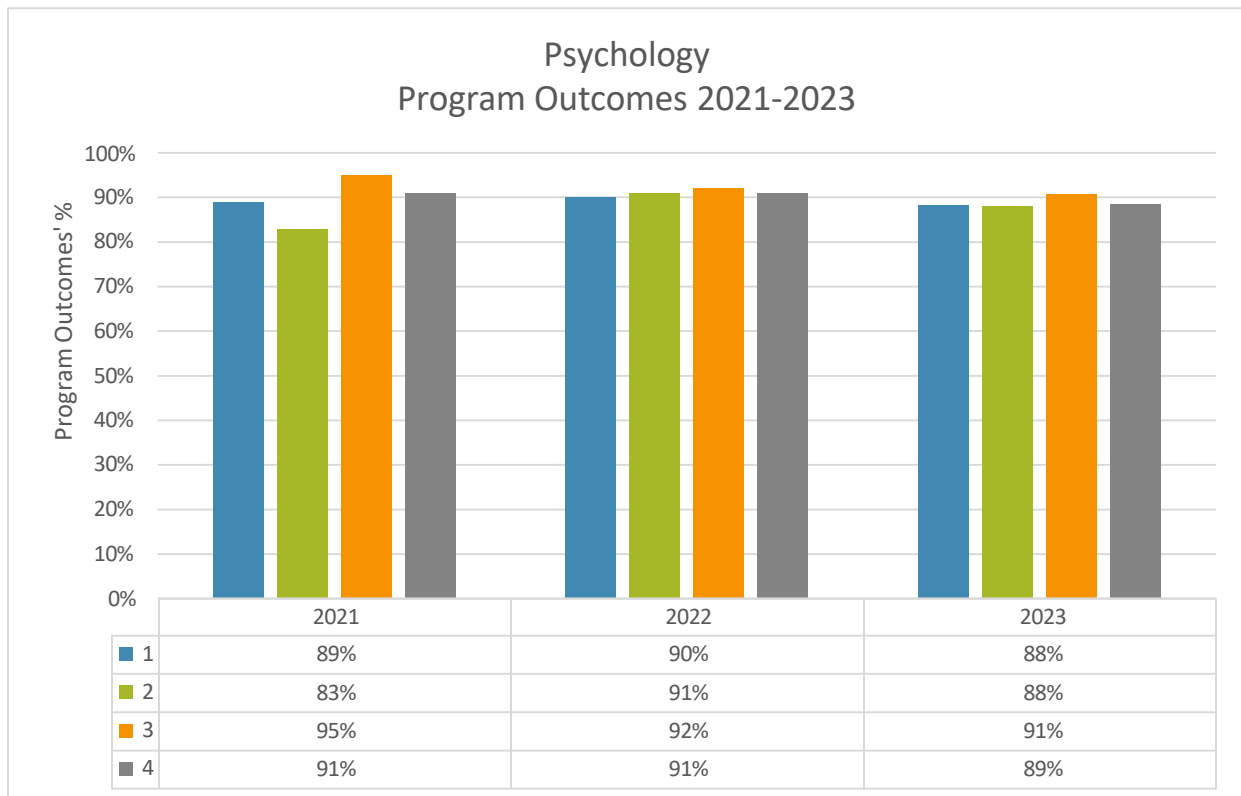


1. What did you learn from the data?
 - a. The student population is a diverse disciplinary background, with foci in chemistry and biology making it unique to dissect the data.
2. What did you not learn from the data?
 - a. Specifically, how each of the different disciplinary courses are measured.
3. What do you hope to learn and do differently this academic year?
 - a. The original focus was adopting more rigorous yet flexible distance education options for labs; however, with the shift now moving back towards on ground this may not be as needed.
 - b. Some of the previous offered courses will not continue due to the retirement of a faculty member and a restructure in general education at the state level and the planned program to program alignments.

Psychology

Program Outcomes, 2021-23:

1. Evaluate the different theories in the field of sociology by applying basic theoretical concepts and other sociological concepts to understand society better.
2. Evaluate and critique markets, economic systems and contemporary social issues by utilizing economic concepts, theories and terms.
3. Evaluate the major perspectives in the field of psychology, as well as understanding the biological bases of behavior and the psychology of consciousness and cognition.
4. Demonstrate critical thinking skills and apply the scientific method to problems and theories related to the social science disciplines.

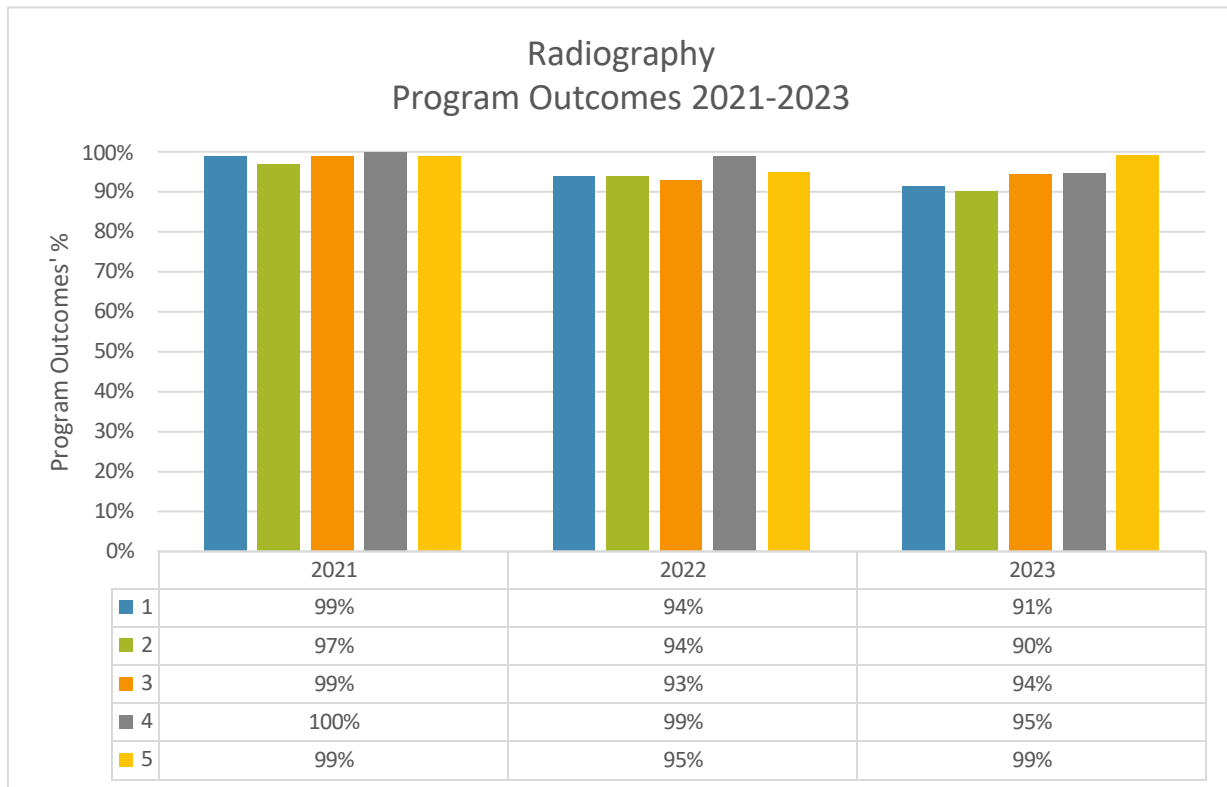


- What did you learn from the data?
 - The data helped me to see the variation from each course section as to how many students attained each course outcome. There were not any areas that raised my concern.
- What did you not learn from the data?
 - N/A
- What do you hope to learn and do differently this academic year?
 - I hope to be able to gain valid reports from each of my adjuncts as to the amount of students who attained each course outcome.

Radiography

Program Outcomes, 2021-23:

1. Be clinically competent.
2. Communicate effectively.
3. Use critical thinking and problem solving skills.
4. Evaluate the importance of professional growth and development.
5. The program will graduate entry-level radiologic technologists.



- What did you learn from the data?
 - The student data demonstrates the program has experienced a decline in student retention for the last three years. The Radiography program has experienced an 8% decline in their student attrition rate since FY2021 to FY2023 and this data clearly demonstrates the impact how the program's lower student enrollment impacts their student outcome data. First year students are more at risk to withdraw or be dismissed from the program than a second year student. If the majority of data collected for a specific program outcome are heavily weighted from courses that are taught in the second year of the program, then a decline is automatically going to occur. Example: Program Outcome #1: Students will be clinically competent. 74% of the data is being collected from program courses that are taught in the second year, therefore with a decline in enrollment during time period will significantly impact the program's outcome data like demonstrated in FY2023.
- What did you not learn from the data?
 - The data does not allow the program to identify why the student enrollment declines from first year to second year. In the past several years, the program has seen an increase in the number of students that voluntarily leave the program for health reasons, family issues, or they decide radiography is not the career choice for them.
- What do you hope to learn and do differently this academic year?
 - Beginning June 1, 2023, the program's grading scale was lowered with hopes to increase student retention and improve the completion rate. Program officials are collecting student learning data regarding what impact this change as part of the JRCERT Program

Outcome Assessment Plan. The program officials feel this is a positive change and will allow higher program completion rate in the upcoming years. Additionally, the program will begin collecting data regarding how changing their grading scale impacts how well students perform on their end of the semester Comprehensive Examinations (administered First Year- fall and spring semesters & Second Year –fall semester) and on their national certification examinations.

American Registry of Radiologic Technologists National Comparison Report Pass Rates:

Year	Group	No. students tested	Mean	%Pass*
2020-2021	LCC	10	85%	100%
2021	National	12,252	82.3%	83.8%
2021-2022	LCC	12	87%	100%
2022	National	11,295	82.4%	83.5%
2022-2023	LCC	8	85%	100%
2023	National	11470	82%	84.4%

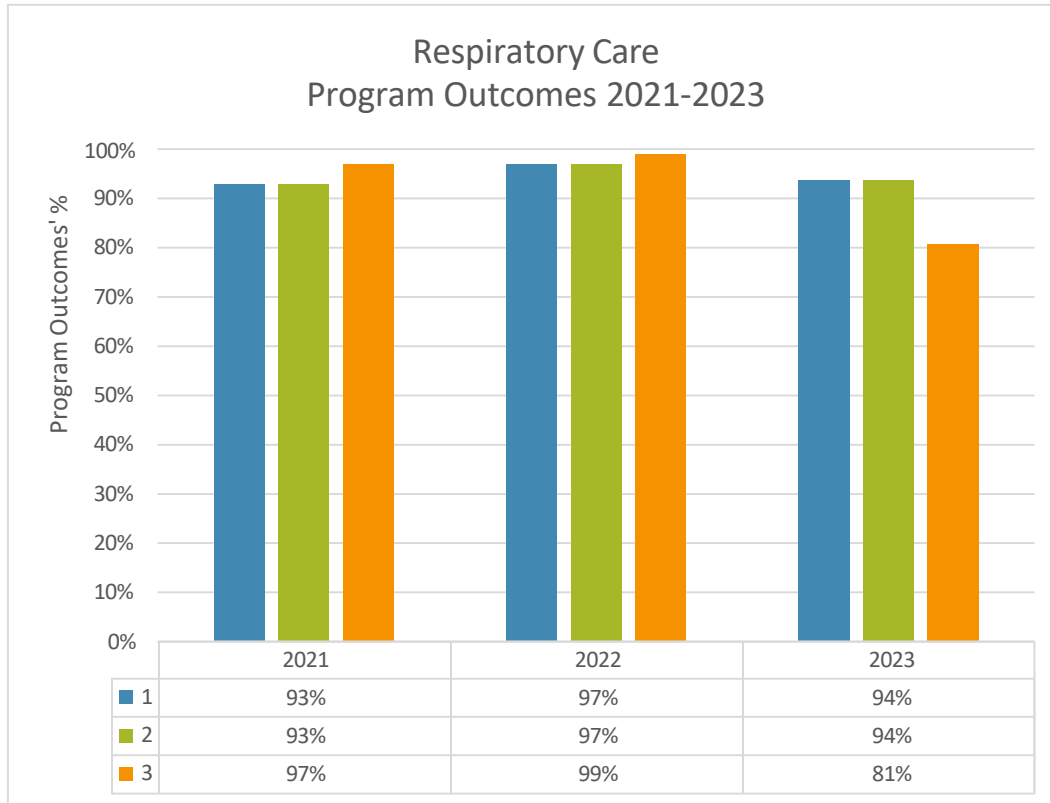
**The ARRT National Comparison Report for 2023 will not be available until January 2024 and will be included in the AY24 report.*

**The ARRT National Comparison Report for 2023 available February 8, 2024.*

Respiratory Care

Program Outcomes, 2021-23:

1. Demonstrate knowledge competencies and decision-making skills expected of an advanced – level respiratory therapist.
2. Demonstrate clinical proficiency/psychomotor skills required of an advanced level respiratory therapist.
3. Demonstrate interpersonal skills required of an advanced-level respiratory therapist.



- What did you learn from the data?
 - Program Outcomes have remained somewhat steady but it appears #3 "Demonstrate interpersonal skills required of an advanced-level RT" has dropped by quite a bit
- What did you not learn from the data?
 - What could be causing the change.
- What do you hope to learn and do differently this academic year?
 - Improve overall outcomes for all our students, continue to integrate our simulation lab and use my new staff member to recruit and work to have successful advanced-level respiratory therapist (RRT) that have a passion to continue you their education throughout their career.

CRT & RRT Pass Rates:

Year	Program Graduates	CRT*	RRT**
2020-2021	4	1	2
2021-2022	3	1	2
2022-2023	4	4	1

* Certified Respiratory Therapist is entry-level for employment.

** Registered Respiratory Therapist is not required but allows for higher wages

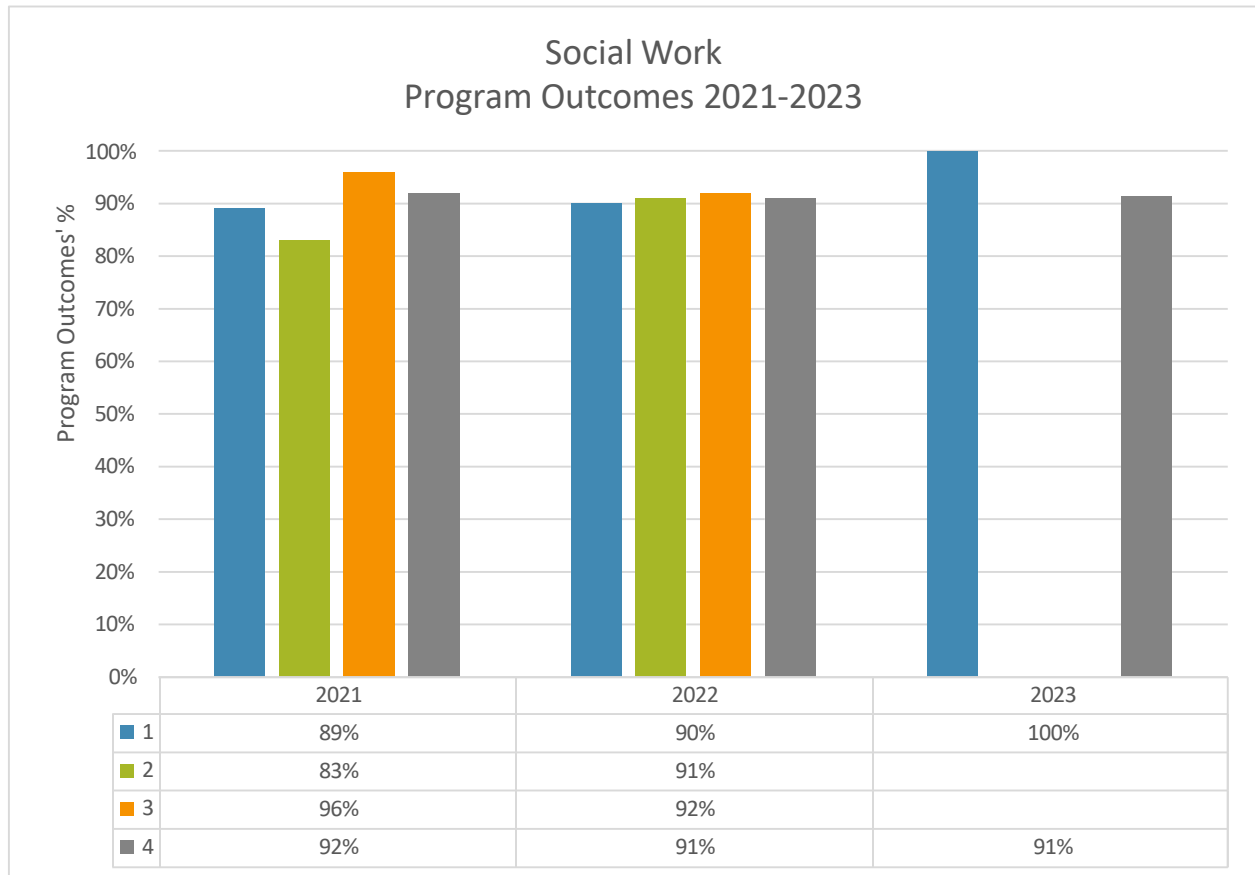
Social Work

Program Outcomes, 2021-22:

1. Evaluate the different theories in the field of sociology by applying basic theoretical concepts and other sociological concepts to understand society better.
2. Evaluate and critique markets, economic systems and contemporary social issues by utilizing economic concepts, theories and terms.
3. Evaluate the major perspectives in the field of psychology, as well as understanding the biological bases of behavior and the psychology of consciousness and cognition.
4. Demonstrate critical thinking skills and apply the scientific method to problems and theories related to the social science disciplines.

Program Outcomes, 2023:

1. Evaluate the different theories in the field of sociology by applying basic theoretical concepts and other sociological concepts to understand society better.
2. Demonstrate critical thinking skills and apply the scientific method to problems and theories related to the social science disciplines. (Compare to Outcome 4 in previous AYs)



- What did you learn from the data?
 - That there is a comparative difference between the most recent AY reporting period and previous AY reporting periods.
- What did you not learn from the data?
 - The bar graphs as presented do not reflect indicators that affect the changes between the reporting periods.
- What do you hope to learn and do differently this academic year?
 - Indicators that demonstrate a correlation between evaluative methods and outcome data.

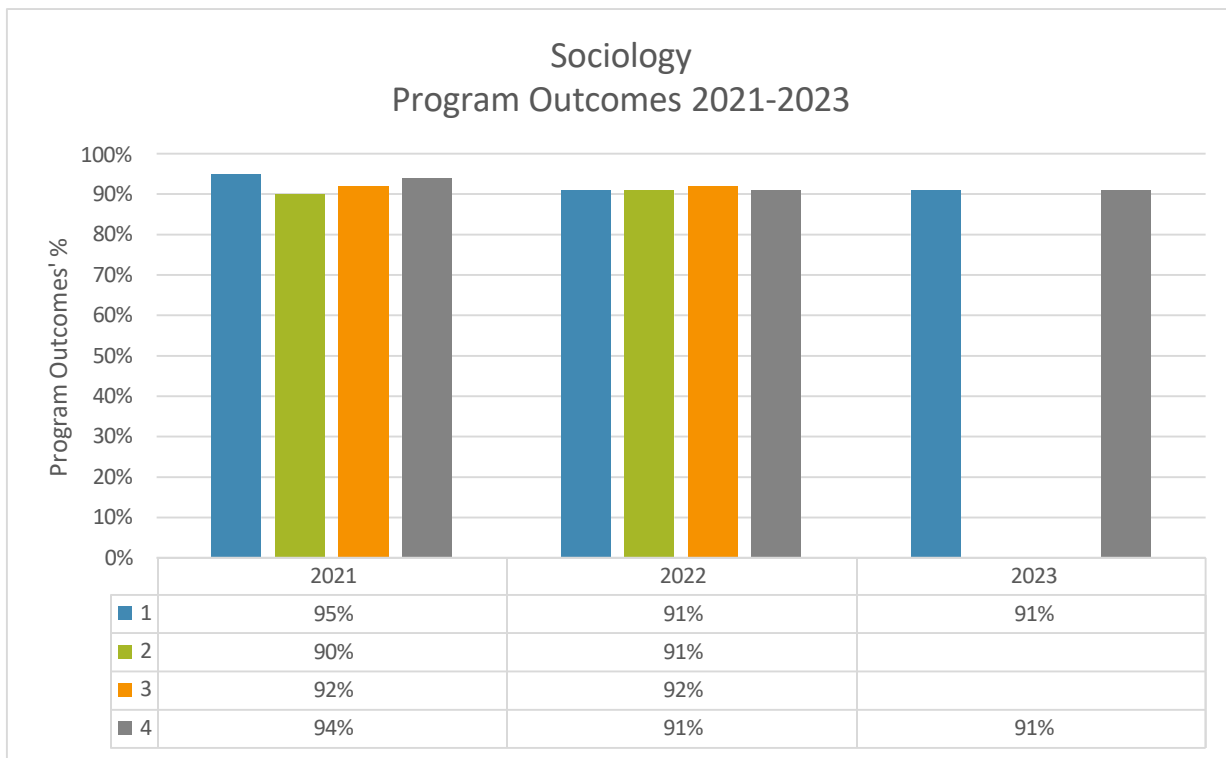
Sociology

Program Outcomes, 2021-22:

1. Evaluate the different theories in the field of sociology by applying basic theoretical concepts and other sociological concepts to understand society better.
2. Evaluate and critique markets, economic systems and contemporary social issues by utilizing economic concepts, theories and terms.
3. Evaluate the major perspectives in the field of psychology, as well as understanding the biological bases of behavior and the psychology of consciousness and cognition.
4. Demonstrate critical thinking skills and apply the scientific method to problems and theories related to the social science disciplines.

Program Outcomes, 2023:

1. Evaluate the different theories in the field of sociology by applying basic theoretical concepts and other sociological concepts to understand society better.
2. Demonstrate critical thinking skills and apply the scientific method to problems and theories related to the social science disciplines. (Compare to Outcome 4 in previous AYs)

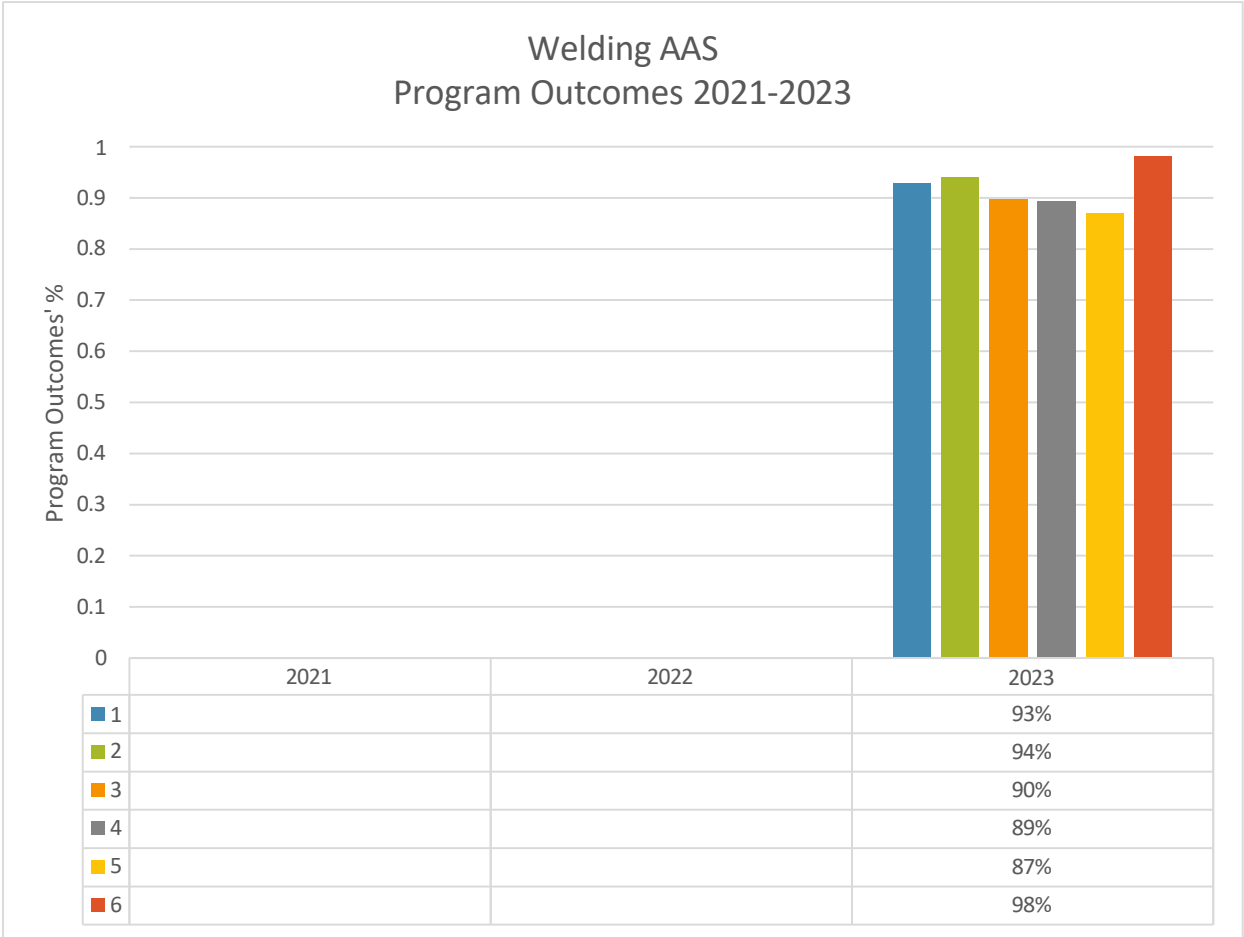


- What did you learn from the data?
 - There is a comparative difference between the most recent AY reporting period and previous AY reporting periods.
- What did you not learn from the data?
 - The bar graphs as presented do not reflect indicators that affect the changes between the reporting periods.
- What do you hope to learn and do differently this academic year?
 - Indicators that demonstrate a correlation between evaluative methods and outcome data.

Welding

Program Outcomes, 2023:

1. Identify and apply safety procedures needed for the workplace.
2. Demonstrate ability to set-up and operate welding equipment.
3. Read and implement blue prints for the workplace.
4. Demonstrate set-up and operate cutting equipment using Plasma and Acetylene cutting processes.
5. Demonstrate entry level welding ability in all positions and tests using different joint figurations with GMAW, SMAW, FCAW, and GTAW processes.
6. Apply the skills needed for employment: good attendance, good work habits, and good personal relation skills.



- What did you learn from the data?
 - I learned that students do better with a second instructor at the Workforce Training Center
- What did you not learn from the data?
 - I need to learn more about student retention from year to year
- What do you hope to learn and do differently this academic year?
 - How to serve our students better and help make them more effective learners

Course Outcomes

Course Outcomes Assessment: Assessing and Documenting Student Learning

A "Course Outcome" represents a discrete piece of knowledge or skill that students are expected to acquire during their course of study. These outcomes encompass the performances, behaviors, or attitudes that educators aim to cultivate through their courses and programs. Typically, a specific course is designed to encompass one to five of these outcomes.

At the conclusion of each semester, faculty members undertake an analysis and evaluation of whether students have demonstrated proficiency in each Course Outcome. These assessments are documented and reported through a web-based Course Outcomes Assessment form.

Kansas Board of Regents' community colleges and universities are actively pursuing a path that facilitates seamless transfer of credits between institutions. To achieve this goal, the development of common Course Outcomes becomes imperative. As a result, select courses will incorporate these shared Course Outcomes to ensure alignment and consistency across the board.

Identifying Course Outcomes in Courses

LCC faculty develop Course Outcomes through consultations with colleagues from other two-year and four-year colleges for transfer programs and advisory committees for terminal programs. Lead faculty and departments annually review the Master Syllabus for each course and make changes as appropriate.

The following table shows the percentage of faculty who completed their course assessments at the end of each term:

Course Assessment Results			
Term/Year	# of Submitted Course Assessments	Total Number of Courses	Percentage
Fall 2022	327	354	92%
Spring 2023	294	310	95%
Summer 2023	55	60	92%

Recommendations for Academic Year 2024:

1. As noted in the AY22 report, all programs undergoing comprehensive review in AY23 will update their Program Assessment alignment forms on file in the Academic Affairs office. Programs undergoing comprehensive review in AY23:
 - AA Art
 - AS Biology
 - AS Criminal Justice
 - Cert Electronics Technology
 - AA English
 - AGS General Studies
 - AS Health Science
 - AS Mathematics

2. Consistent feedback from faculty and administrators providing review of submitted data includes the need for more internal consistency in data reported, especially regarding accurate data entry of outcomes and sufficient responses to narrative prompts. Data accuracy is key to ensuring valid analysis of results and evaluation of course and program effectiveness.