



LABETTE
COMMUNITY
COLLEGE

Report of Student Learning
Academic Year 2023-2024 (AY24)

October 10, 2024

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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.

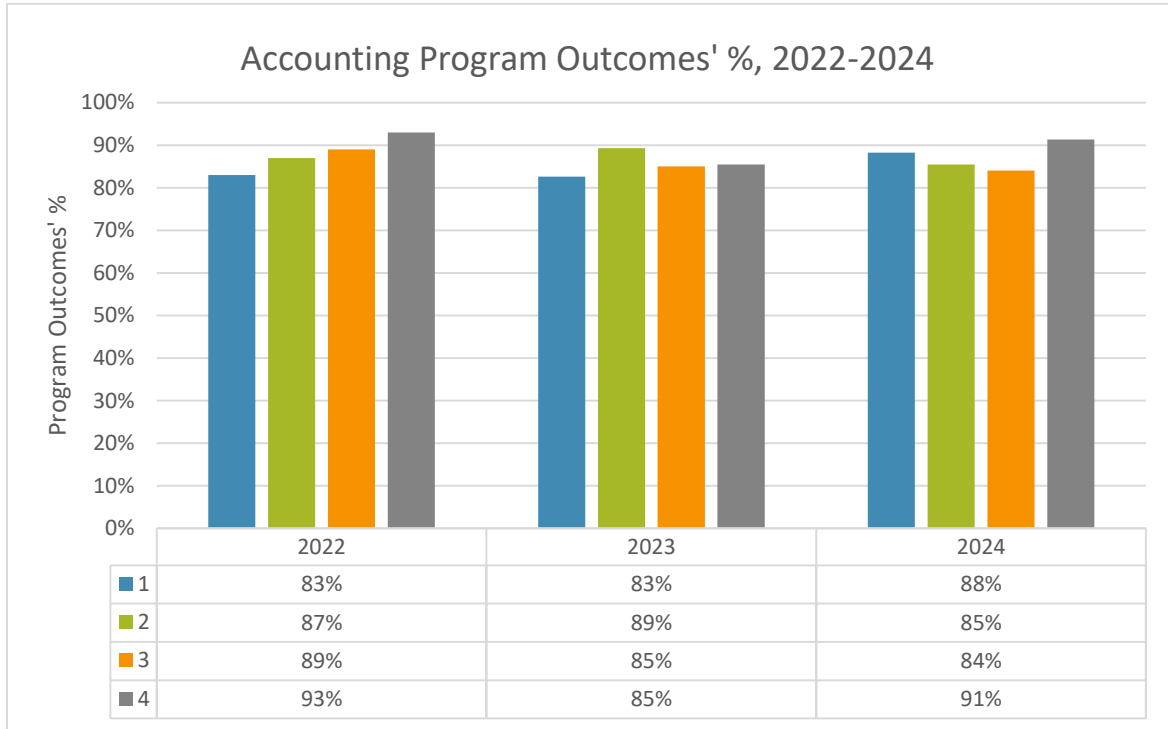
As outlined in the Academic Year 2022 (AY22) Report of Student Learning, faculty completed a comprehensive redevelopment of Program Outcomes during AY22, and the initial measurements took place in AY23. For programs in which the outcomes underwent alterations, both sets of outcomes are presented to facilitate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

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

Accounting

Program Outcomes, 2022-2024:

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?
Outcomes were mixed for 2024 as compared to 2023 – Outcomes 1 and 4 were higher, and Outcomes 2 & 3 were lower.
- What did you not learn from the data?
The data does not tell us about the success rate of Accounting majors specifically – students of other majors can – and many do – take BUAD classes that are a part of the Accounting degree program because they are general education electives or part of the general education selected course requirements.
- What do you hope to learn and do differently this academic year?
This academic year we will receive the Business Administration program alignment which could also impact the Accounting degree curriculum. Although we will not have it implemented until the next academic year, we will need to prepare for this change and how it will impact our instruction and outcomes for both programs.

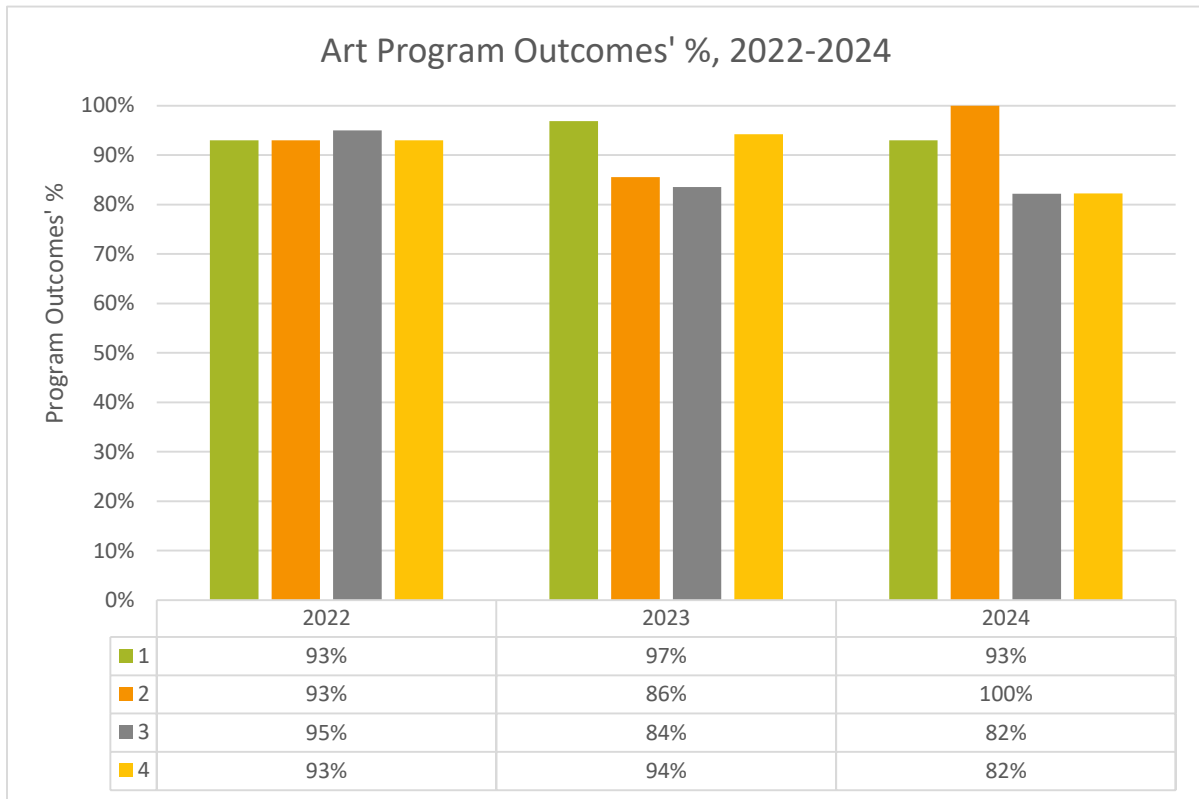
Art

Program Outcomes, 2022:

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, 2023-24:

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?
An overall trend upward in the use of media, techniques and processes in 2024 as well as use of vocabulary and professional terminology suggest the program is healthy and moving in the right direction. This is most likely a result of a strong focus within the major studio courses on verbal and written critiques to go along with the physical project outcomes.

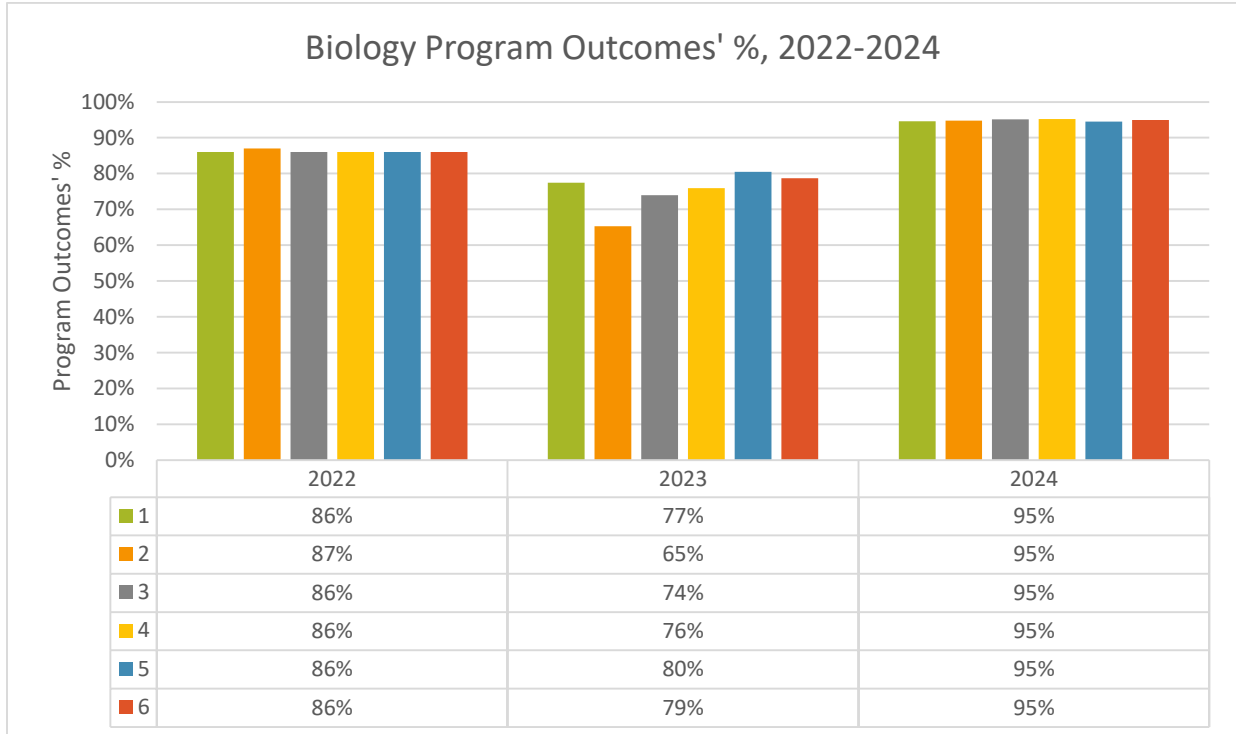
There is also a slightly concerning downturn in Critical evaluation and historical analysis that could be due to Art Appreciation material focusing too myopically on studio projects instead of historical information.

- What did you not learn from the data?
The outcome scores based upon online versus on-ground courses could be a determining factor in percentage downturns, but is unknown in the data collection.
- What do you hope to learn and do differently this academic year?
I would like to increase the Historical analysis and the Critical evaluation scores by focusing more on the quantitative material in Art Appreciation namely, but also in the other Art Studio courses. In terms of outcomes number one and number two, I would like to have more time in the current teaching methods to ascertain whether or not they are still-effective.

Biology

Program Outcomes, 2022-24:

1. Students will demonstrate knowledge of the concepts that comprise the biological sciences.
2. Students will demonstrate the ability to read, understand, and critically review scientific papers and prepare oral and written reports in a standard scientific format.
3. Students will be able to think critically and reason analytically.
4. Apply the scientific process, including designing and conducting experiments and testing hypotheses.
5. Students will effectively communicate underlying principles of biology.
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.

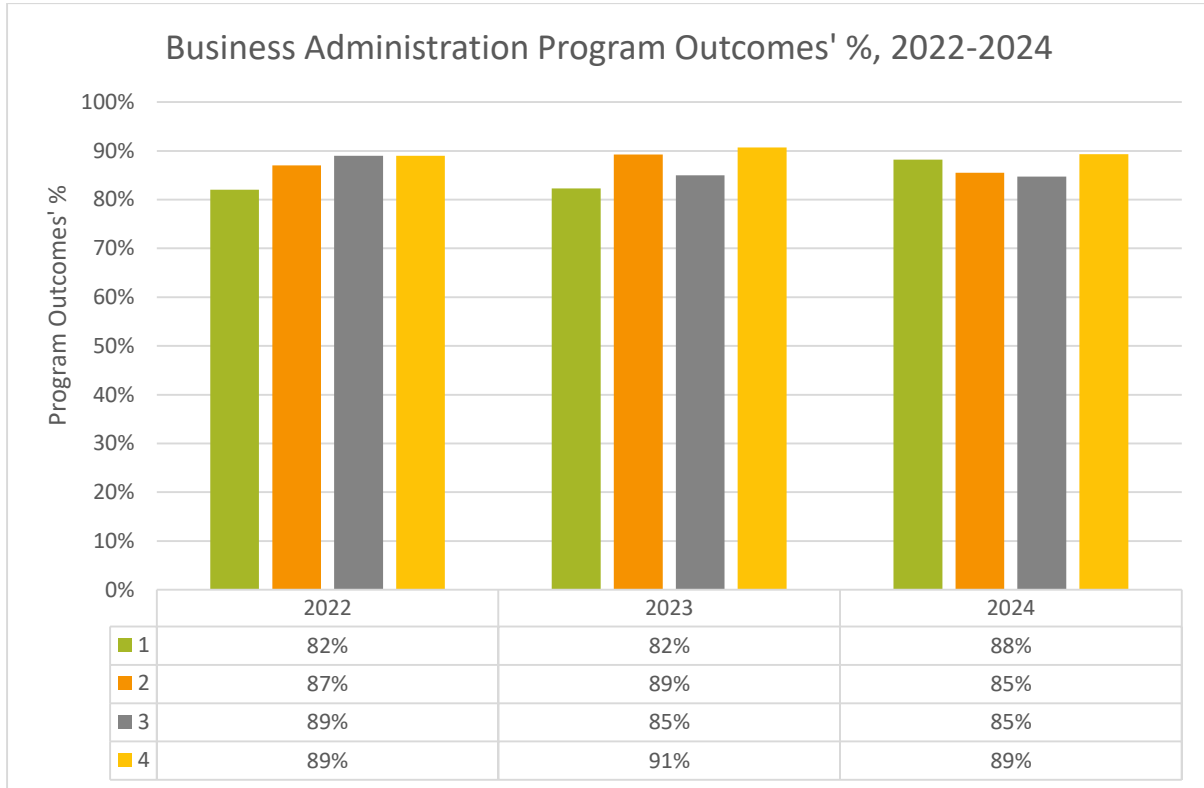


- **What did you learn from the data?**
The 4-year data clearly shows that students in the biology program are consistently exceeding the 70% threshold achievement for each of the six program outcomes. In the academic year 2023, the data shows lower percentages in each outcome (specially in outcome number 2) due to the fact that the assessment data was reported only for the top 8 or 10 outcomes and was not reported for the last 8-10 outcomes in one of the courses. That led to assuming that the percentage outcome achieved was 0 and resulted in overall lower percentages of all 6 outcomes.
- **What did you not learn from the data?**
This data does not compare the data between different courses offered in the biology program.
- **What do you hope to learn and do differently this academic year?**
As the results are excellent in the previous academic year, AY 2023, (higher than 92%) in all six outcomes, we would like to make sure that we are maintaining the rigor in our courses and at the same time we will aim to achieve similar results.

Business Administration

Program Outcomes, 2022-2024:

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.

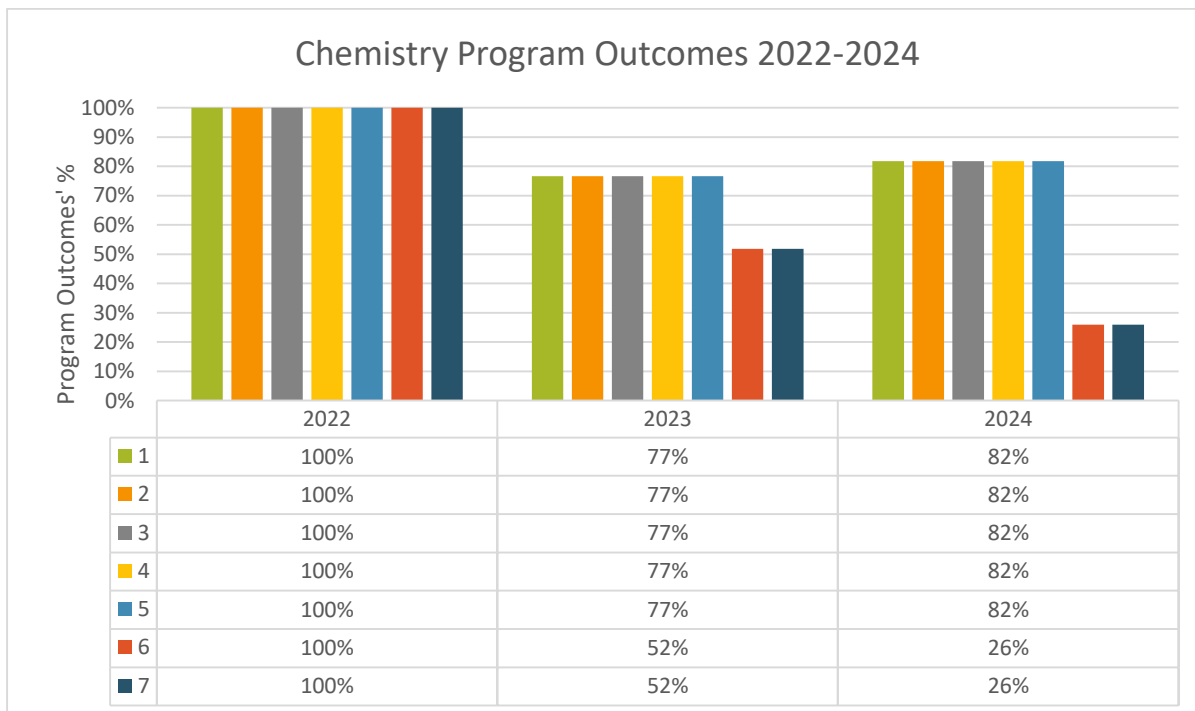


- **What did you learn from the data?**
Outcomes were mixed for 2024 as compared to 2023 – Outcome 1 was higher, Outcomes 2 & 4 were lower, and Outcome 3 was unchanged.
- **What did you not learn from the data?**
The data does not tell us about the success rate of Business Administration majors specifically – students of other majors can – and many do – take BUAD classes because they are general education electives or part of the general education “buckets”. 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?**
This academic year we will receive the Business Administration program alignment. Although we will not have it implemented until the next academic year, we will need to prepare for this change and how it will impact our instruction and outcomes.

Chemistry

Program Outcomes, 2022-2024:

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?
Outcomes 6 and 7 took a much bigger dip than the other program outcomes in '23 and '24. If the numbers are correct, students recently seem to be struggling in lab.
- What did you not learn from the data?
Why the yearly program outcomes all climbed to 100% then fall greatly the following year, only to recover only slightly.
- What do you hope to learn and do differently this academic year?
Think a little more about labs and how to bring those last two outcomes up.

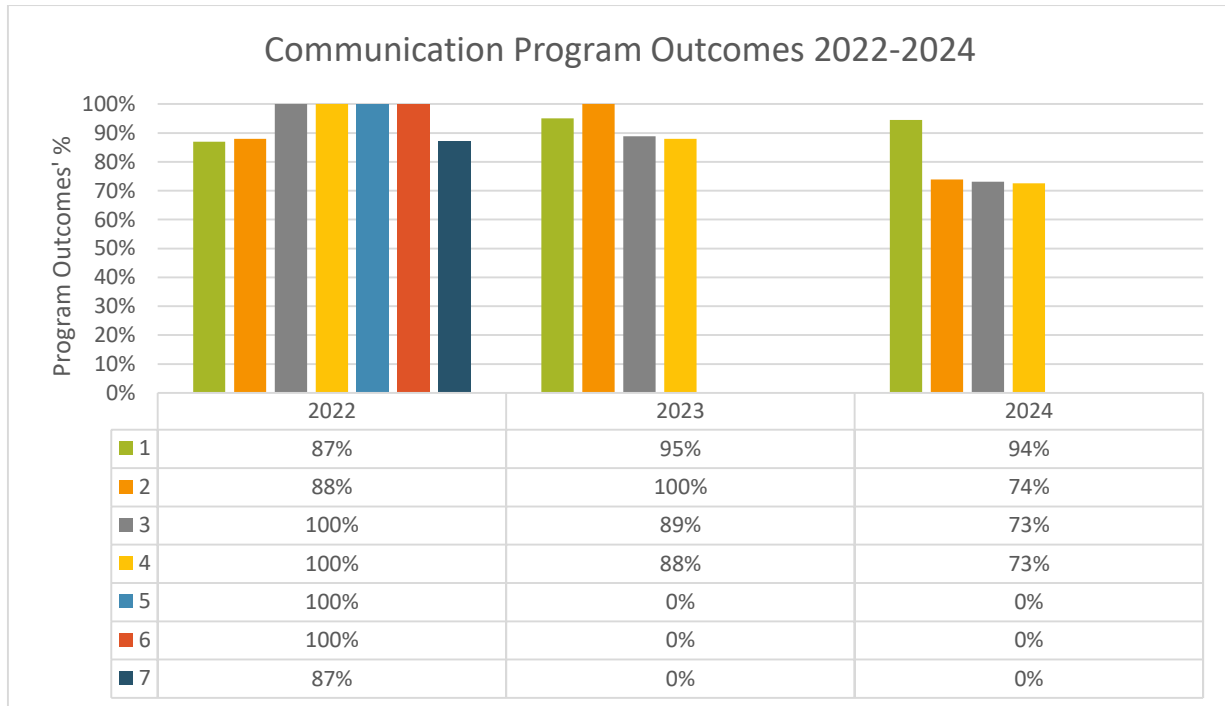
Communication

Program Outcomes, 2022:

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, 2023-24:

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.



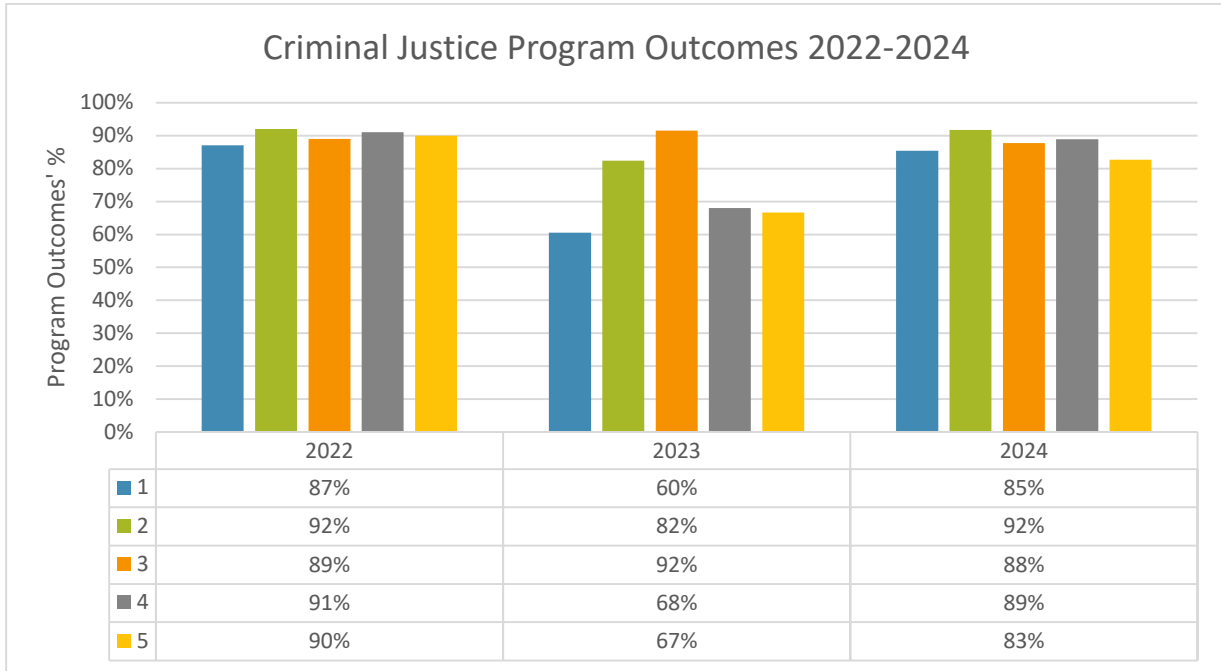
- What did you learn from the data?
The communication department needs to focus on improving students literal and critical listening skills as well as addressing ethical communication.
- What did you not learn from the data?
I did not learn what classes the students appear to be lacking in these areas.
- What do you hope to learn and do differently this academic year?
Regarding listening- I will incorporate more listening activities. In regards to ethical communication, I hope to learn more about how to incorporate AI as a tool and not a

means for students to utilize it in place of their own work/thoughts. I believe misuse of AI contributed to lower percentages of scores regards ethics.

Criminal Justice

Program Outcomes, 2022-2024:

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.

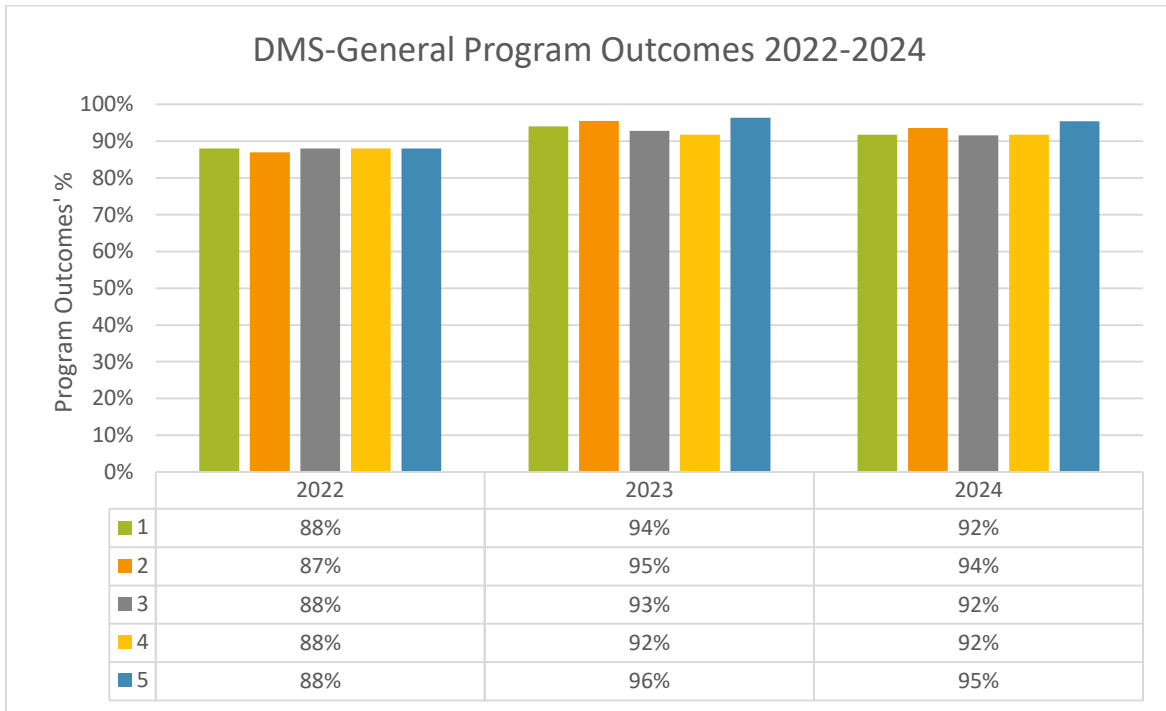


- **What did you learn from the data?**
The program data demonstrated an increase in student success. Last year some of the adjustments were made to help students. For example, one was trying to make the course experience more personal, and another was a change in textbook.
- **What did you not learn from the data?**
Specifically, what caused the increase. As different student dynamics year to year could also be a factor.
- **What do you hope to learn and do differently this academic year?**
We hope to learn if the personal experiences of the class and change of textbook holds a similar assessment of student success for a second year.

Diagnostic Medical Sonography—General

Program Outcomes, 2022-2024:

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.

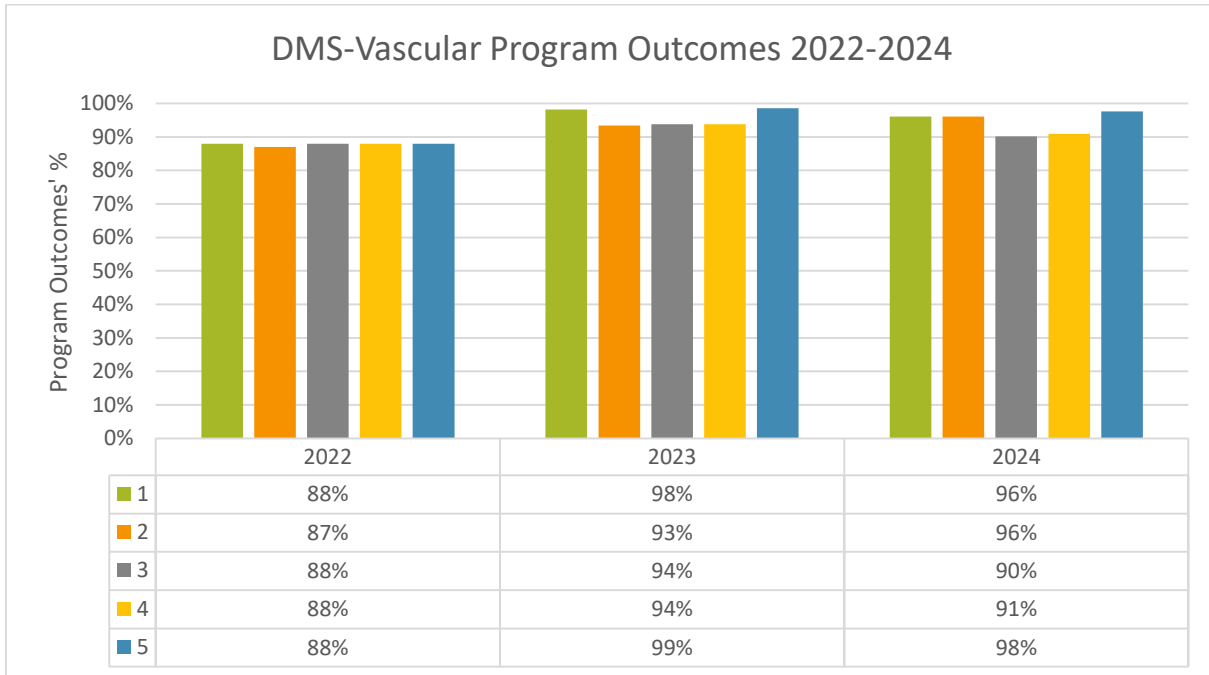


- What did you learn from the data?
I feel we are always updating after each year due to the results of the data. The sonography department is constantly adapting to each year.
- What did you not learn from the data?
I wouldn't say I didn't learn anything. All data shows something helpful. The more accurate our reporting becomes each year. The better the results and ability to change.
- What do you hope to learn and do differently this academic year?
The outcome report is a helpful tool to pin point weak areas. We use the outcomes along with all other data from each year to construct a change if needed. Being online, the challenges are drastically different than the traditional on-campus. Next and each year we will work towards getting online students to attempt more registries.

Diagnostic Medical Sonography--Vascular

Program Outcomes, 2022-2024:

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?
Like our other concentration. The data is important each year. If accurately submitted it can be vital to a program. The data and student interaction have shown critical thinking is low.
- What did you not learn from the data?
Each year our reporting is becoming more accurate and hopefully will help us expose weak areas in the program.
- What do you hope to learn and do differently this academic year?
We are having meetings and talking with our advisory committee about new students and ways to get them critical thinking. I think some is more the focus and taking their time.

DMS Program Effectiveness Data

Year	Abdomen Exam	Ob/GYN Exam	Vascular Exam	Employment rates	Program Completion rate
2022	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	3 of 12 Tested 2/3 or 66% passed	3 of 12 Tested 3/3 or 100% passed	2 of 4 Tested 6/6 or 100% passed	13 of 16 (both concentrations) Employed 81% placement 1 of the 16-continuing education. Students complete program end of July each year.	16 started/ 16 graduated 100%
2024 New Grads this July continuing to take exams	2 of 13 Tested 2/2 or 100% passed	3 of 13 Tested 3/3 or 100% passed	0 of 2 Tested	5 of 15 (both concentration) Employed 33% placement.	17 started/ 15 graduated 88%

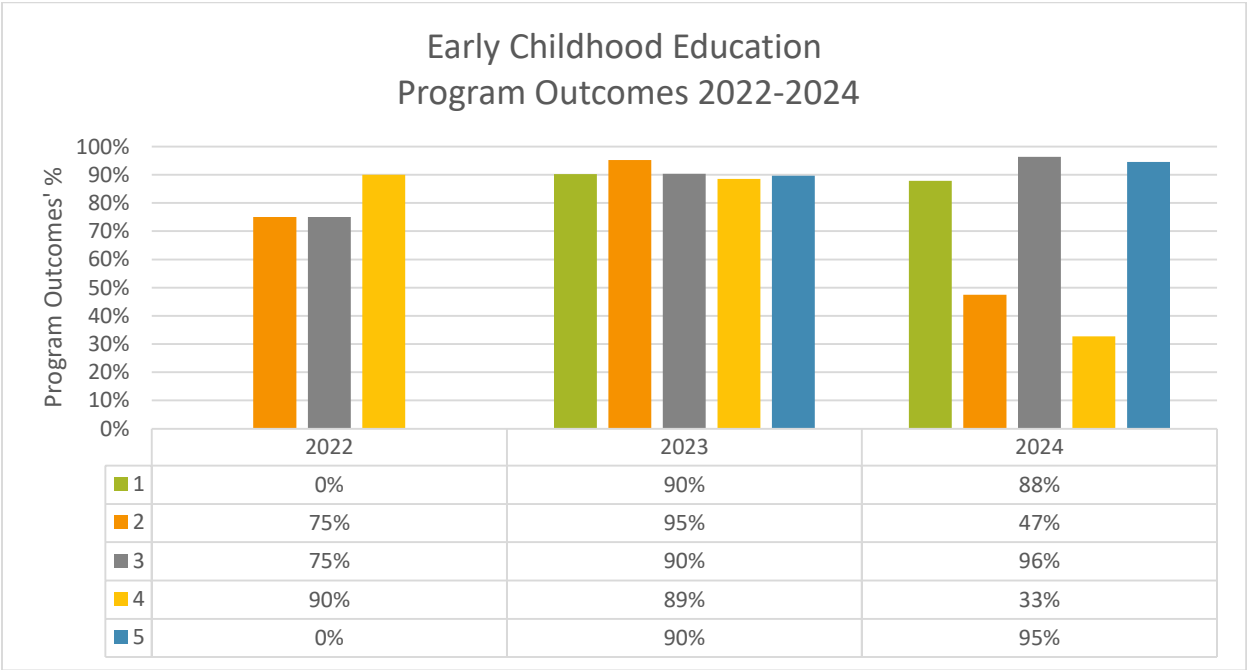
Early Childhood Education

Program Outcomes, 2022:

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, 2023-24:

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?
The data for the program is starting balance year to year given the previous changes. We did lose one long term adjunct instructor last year but look to further stabilize the program and program offerings.

- What did you not learn from the data?
How successful year to year students are without a stable base line to benchmark from.
- What do you hope to learn and do differently this academic year?
The college is assessing, now that the state initiative for elementary education and math core courses are designated, determining the best approach to enhance the educational experience. We hope to learn that the state initiatives and our support of those help students' success not only within the program but with transfer to continue their education successfully.

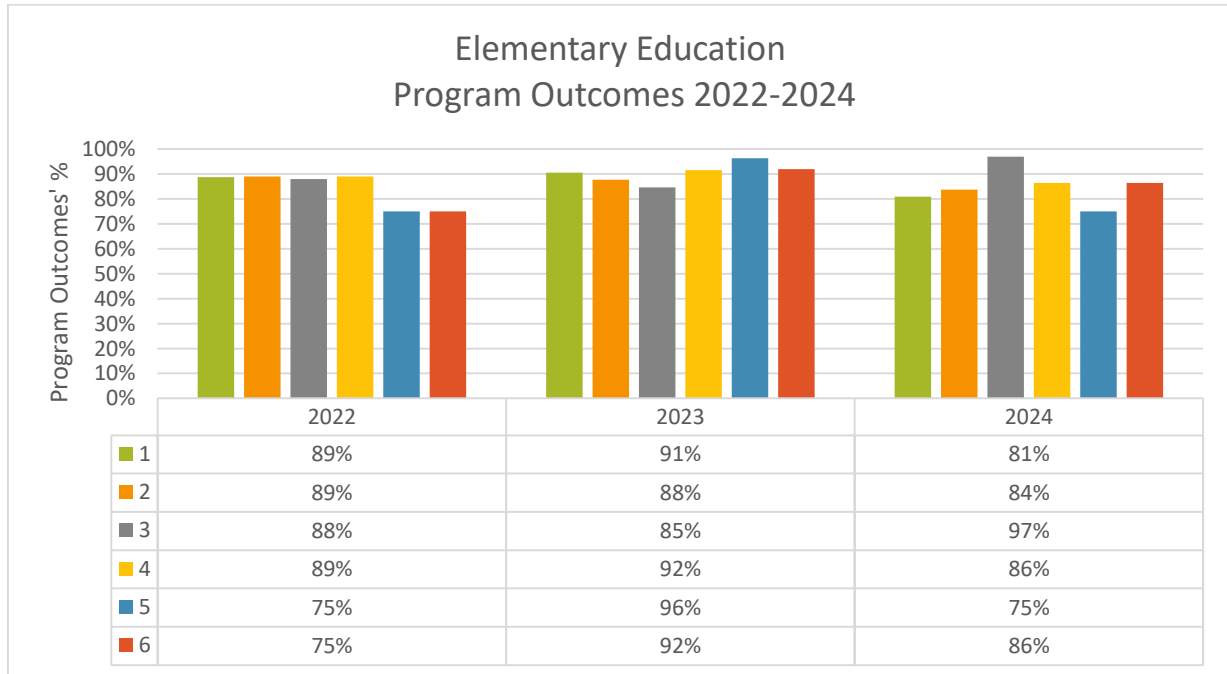
Elementary Education

Program Outcomes, 2022:

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 were only slight differences in the data collected. Given the transition of staffing and start of state initiatives the educational success rate wasn't disrupted significantly.

- What did you not learn from the data?
How the new aligned elementary program will enhance student success.
- What do you hope to learn and do differently this academic year?
Start assessing the year-to-year data to understand the impact from the new alignment and core math course. As well as how to enhance the program and student success.

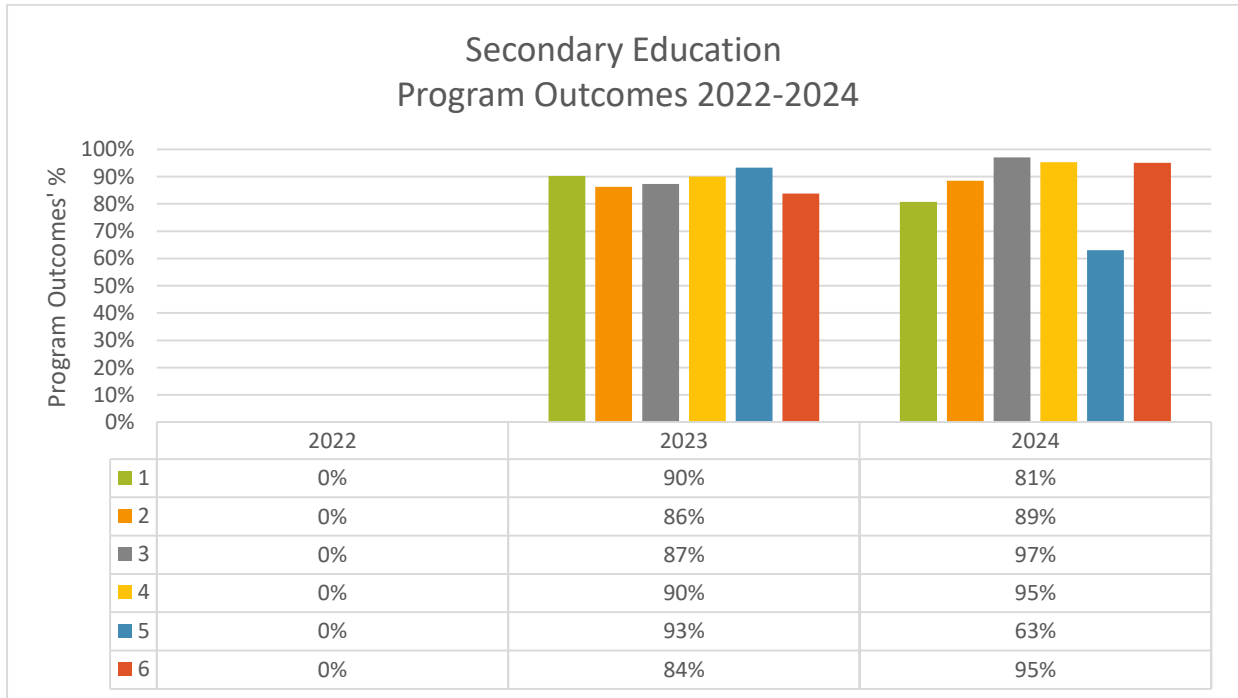
Secondary Education

Program Outcomes, 2022:

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, 2023-24:

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.
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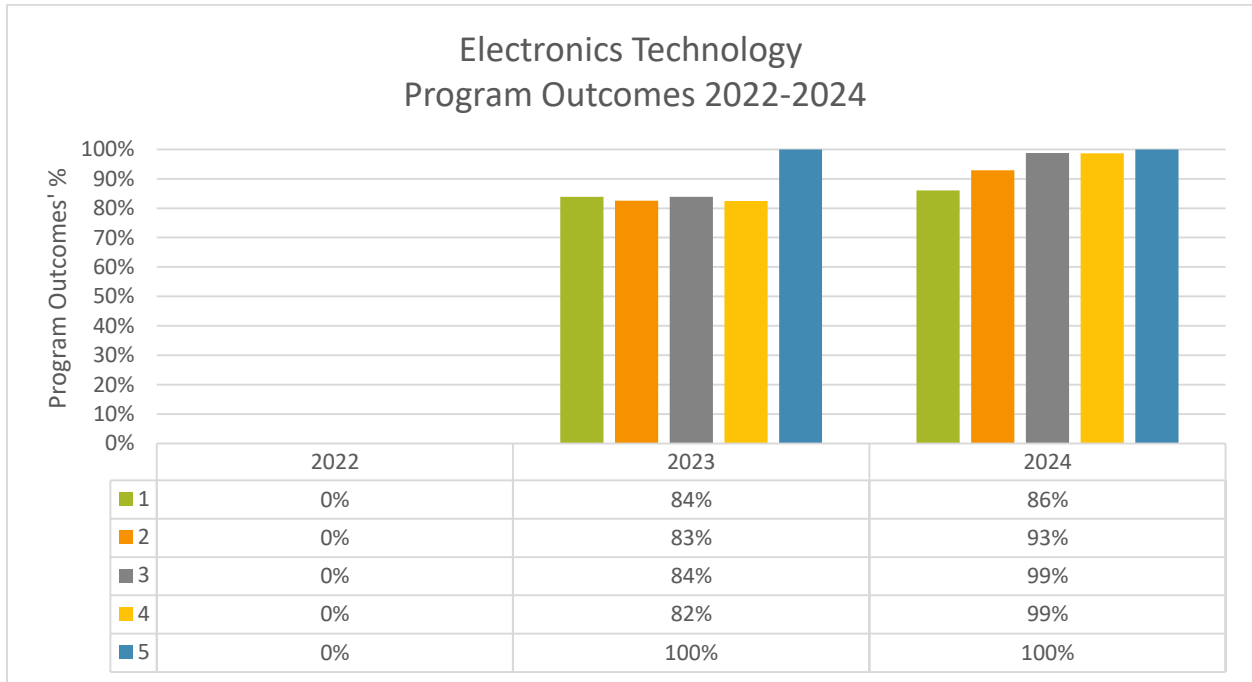
- What did you learn from the data?
The data is being collected in a more effective way even with the diverse student options for disciplinary choice (Math, History, English, etc.). The realignment of assessment focus is helping our data collection and assessment process.
- What did you not learn from the data?
Data is still not complete therefore a year-to-year assessment is limited.

- What do you hope to learn and do differently this academic year?
We hope to learn more about the data as it is collected year to year. Then we can start planning accordingly.

Electronics Technology

Program Outcomes, 2023-24:

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.

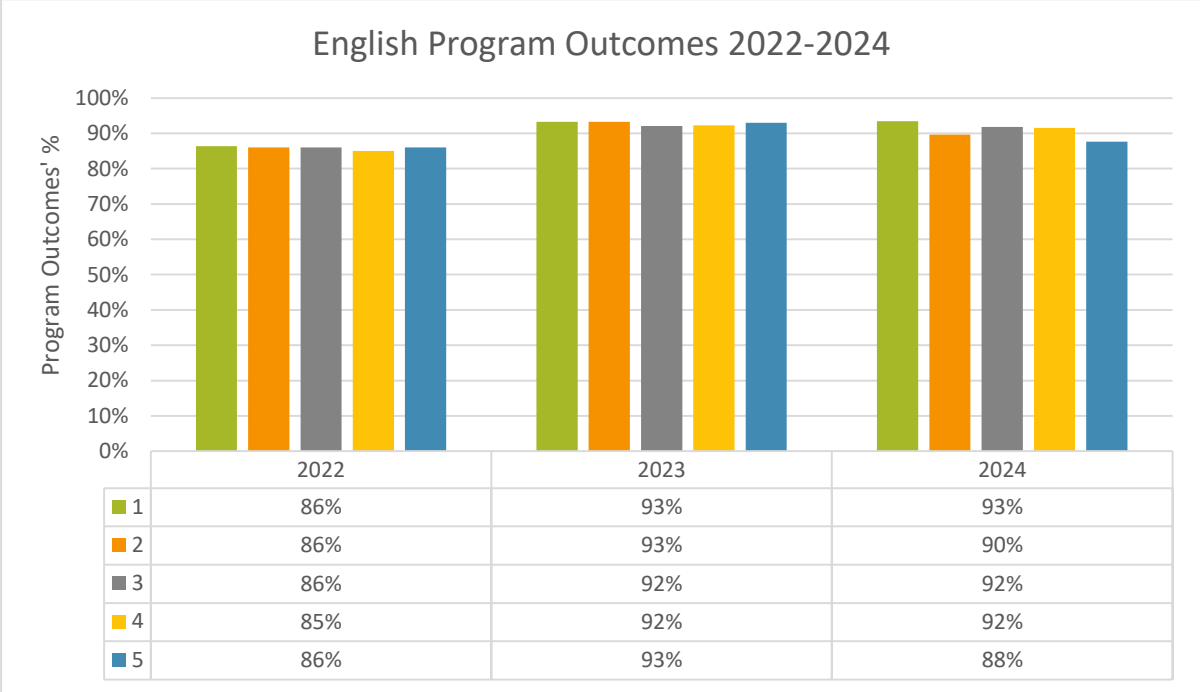


- What did you learn from the data?
The data for the electronics technology program was created in April of 2023. For the program there was no program outcomes, therefore, they were also created in April of 2023. The data from 2023-2024 shows that there was a slight increase in student success. It also shows that there is 100% completion of students who are doing job searches and applications processes to get jobs after completion of the program.
- What did you not learn from the data?
Not applicable
- 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, 2022-2024:

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?
Our students are learning what we have been teaching.
- What did you not learn from the data?
This doesn't really drill down to specifics, because it is outcome based. We are looking at the outcomes.
- What do you hope to learn and do differently this academic year?
We make small changes every semester, based on the students that we have. This is an advantage at the community college level. We are always looking for new ideas, but change comes slowly in the overall performance on the program

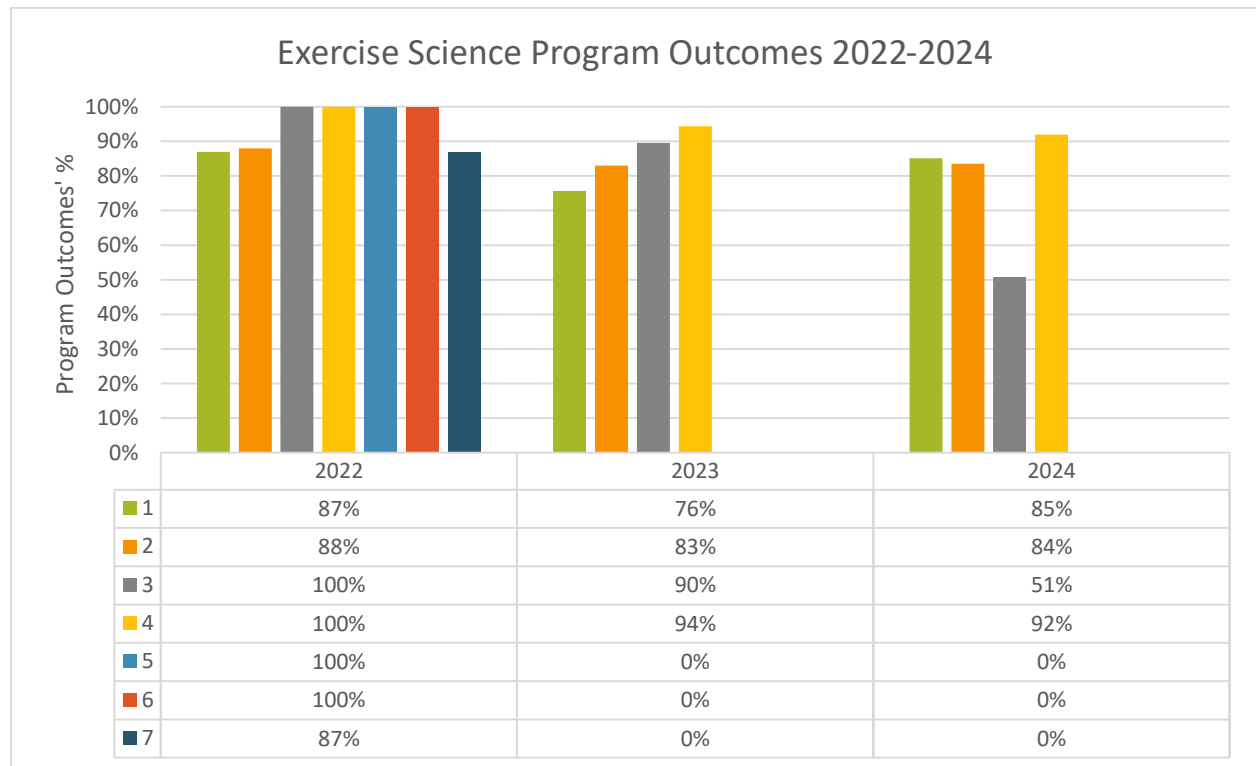
Exercise Science

Program Outcomes, 2022:

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, 2023-24:

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.



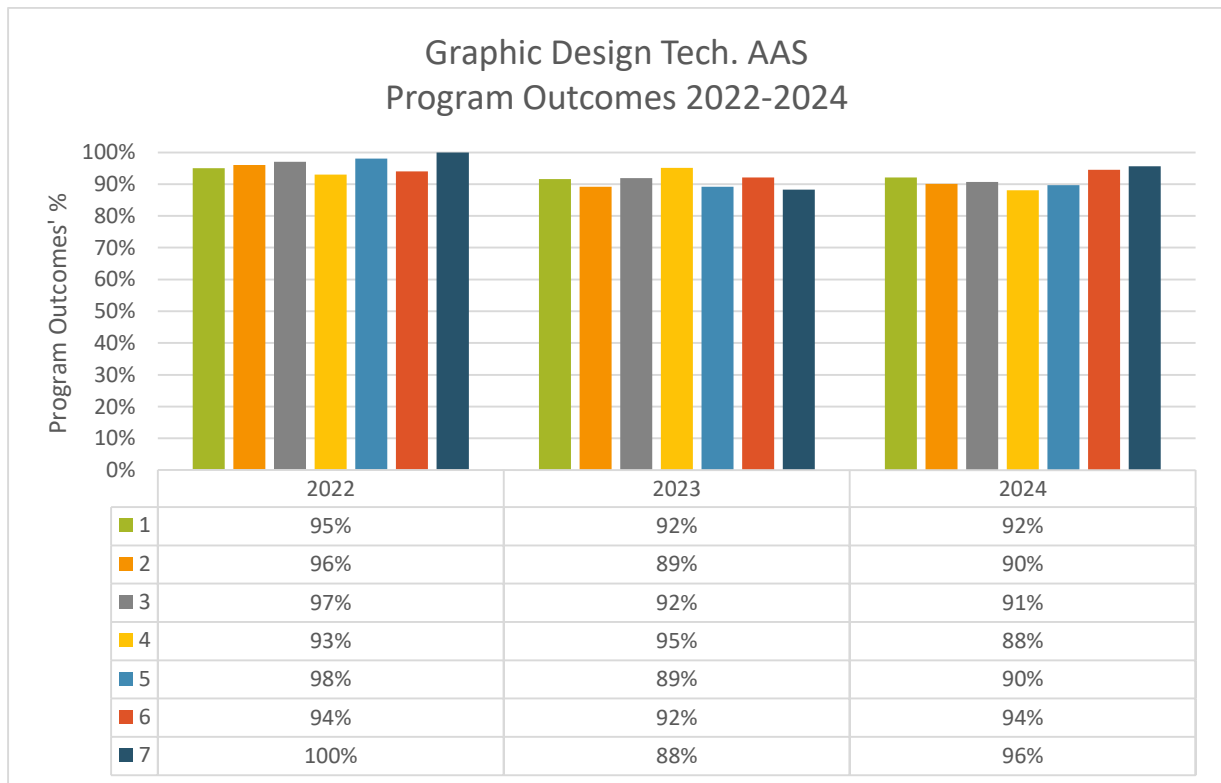
- What did you learn from the data?
Looking at the data we are hitting below our goal for achieving the program outcomes. Especially on outcome 3.
- What did you not learn from the data?
From this data I was not sure how everything aligned to course outcomes and why outcome 3 was so drastically lower than the others.

- What do you hope to learn and do differently this academic year?
After obtaining some additional data, I am not sure that program outcome 3 truly aligns as well as it could with the course outcomes it is tied to. I hope to build some additional projects and assignments to better equip the students in attaining the program outcomes and getting practical experience geared towards the outcomes. I also plan to address program outcome 3 and work to better align it with course outcomes.

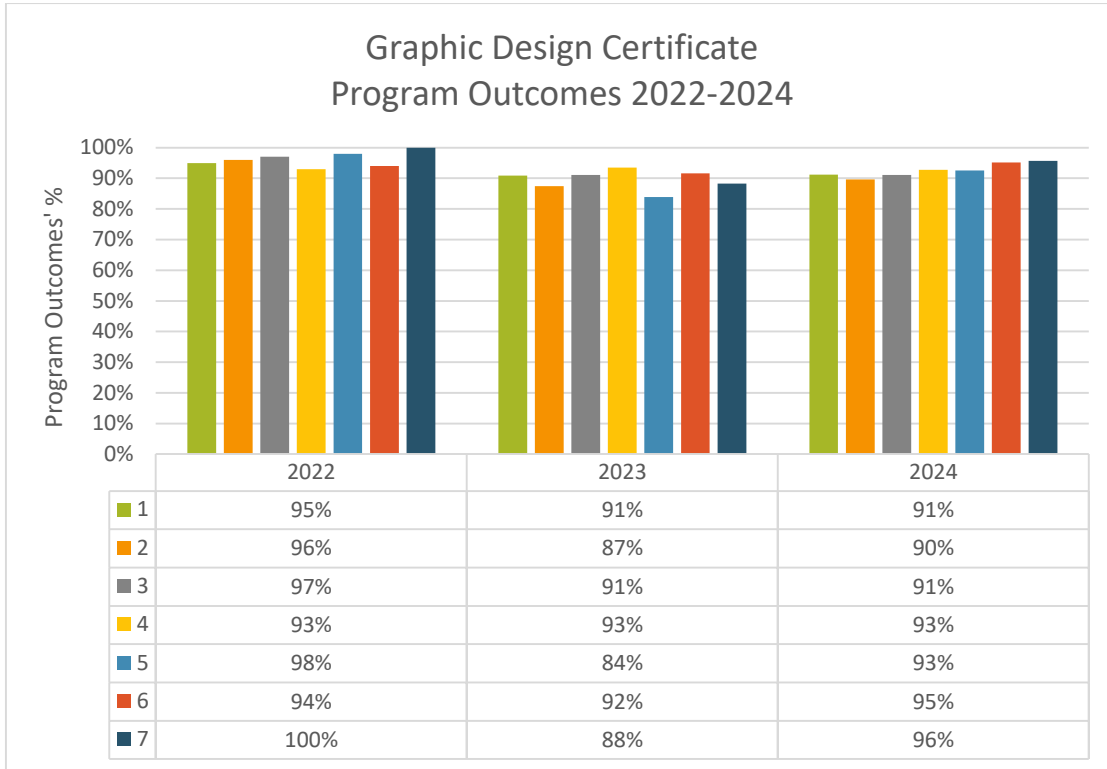
Graphic Design Technology—AAS and Certificate

Program Outcomes, 2022-2024:

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?**
There was a significant reduction in students employing effective time management skills.
- **What did you not learn from the data?**
The data does not account for the reason in reduction, which was simply due to lack of effort on the part of the student.
- **What do you hope to learn and do differently this academic year?**
I will continue stressing importance of time management skills and search for additional tools or ways to motivate students in meeting deadlines.

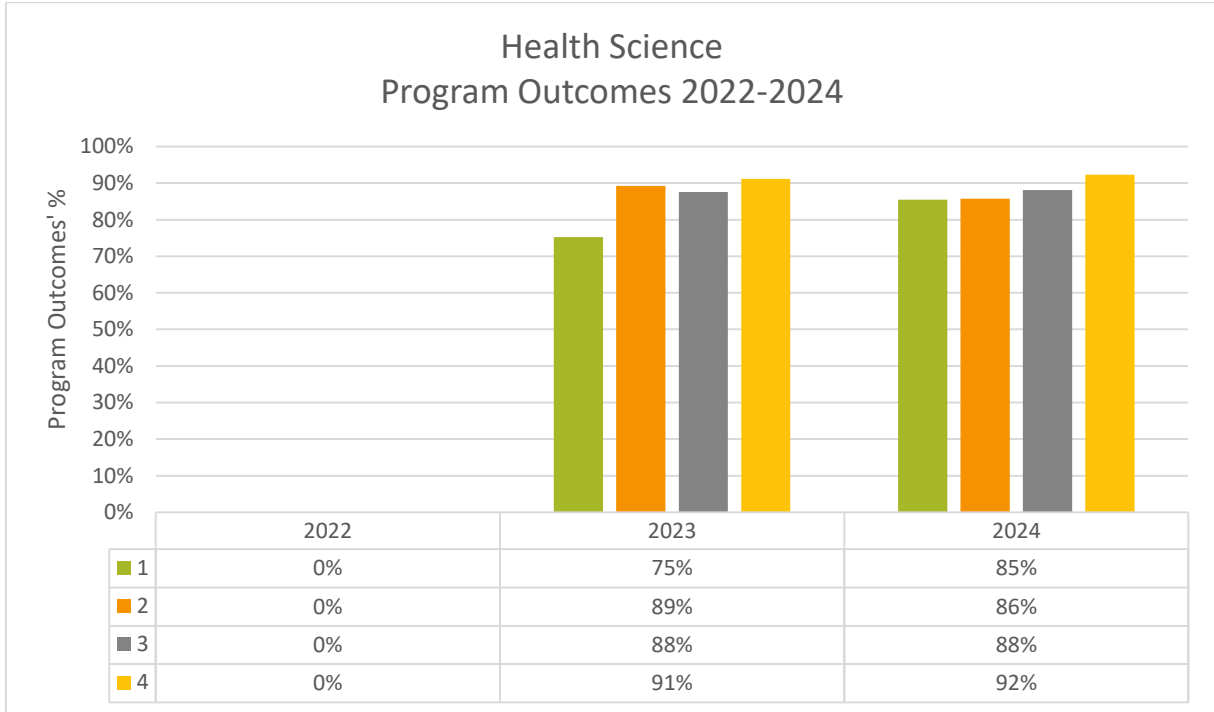


- What did you learn from this past year's program data?
There was a significant reduction in students employing effective time management skills.
- What did you not learn from the data?
The data does not account for the reason in reduction, which was simply due to lack of effort on the part of the student.
- What do you hope to learn and do differently for this academic year?
I will continue stressing importance of time management skills and search for additional tools or ways to motivate students in meeting deadlines.

Health Science

Program Outcomes, 2023-24:

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. The data shows that more students are completing the program outcomes at an equal or higher rate.
- 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.

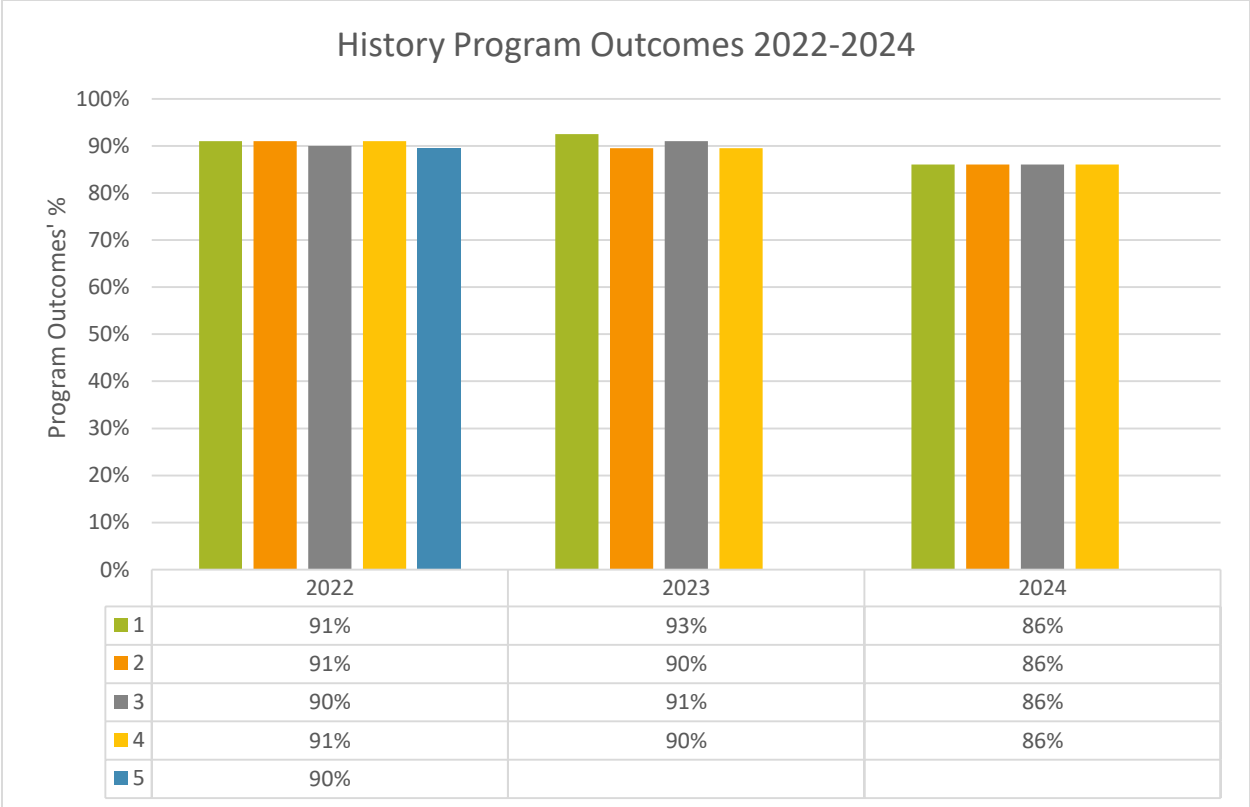
History

Program Outcomes, 2022:

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, 2023-24:

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?
There's a slight drop in outcomes in 2024 compared to previous years.
- What did you not learn from the data?
Why the numbers dipped.
- What do you hope to learn and do differently this academic year?
I'll investigate just why the chart looks the way it does.

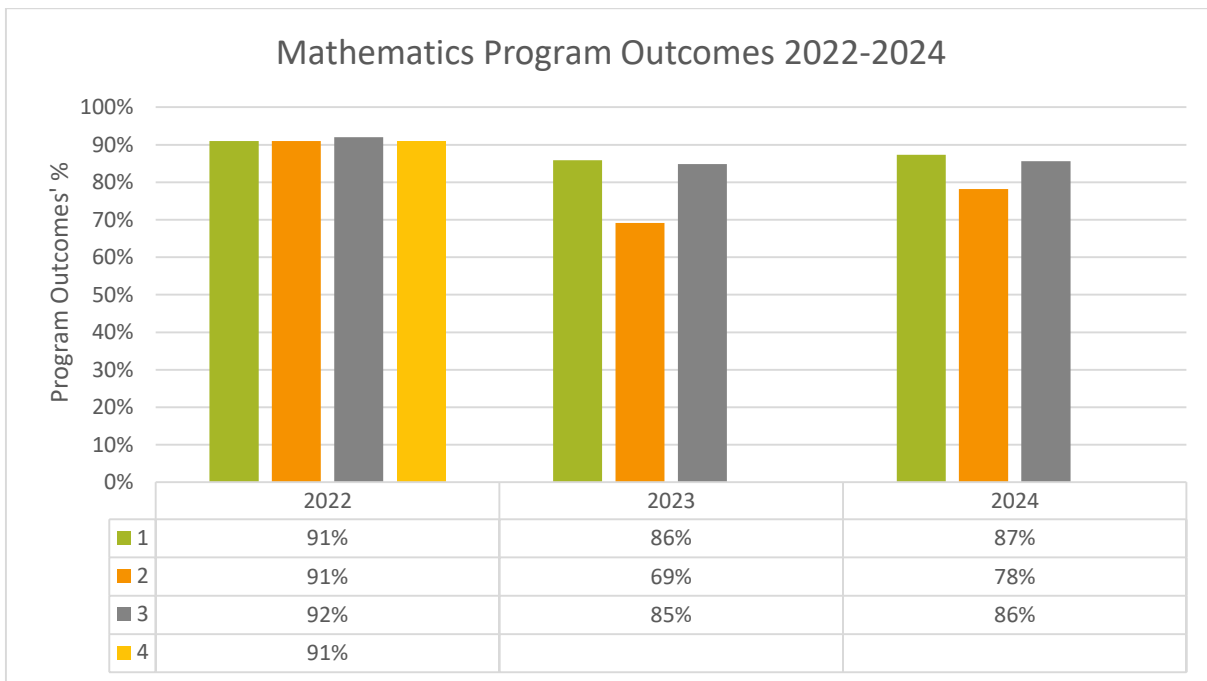
Mathematics

Program Outcomes, 2022:

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, 2023-24:

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 primary lesson the math department learned is that there are serious issues with respect to data collection or submission. First, the department revised its program outcomes during AY23. The department feels that the revised outcomes will better reflect the mission of the department. Because of this reorganization, the graphs for AY23 do not match the graphs for AY22. With that having been said, the math department came up with different numbers than did the administration for outcomes attained. In particular, the math department’s calculations indicated that 94% of students assessed attained Program Outcome #2 as compared to 69% from the administration. The department also noticed some discrepancies in the number of outcomes reported by some of the adjunct. The administration was able to confirm that several faculty failed to submit all of their outcomes. The ROLS outcomes were recalculated and the below data was used in the Math Department’s AY24 Comprehensive Program Review.

The problem is that the data provided by the administration this year uses the old data for AY23, not the revised data. Furthermore, the department is not confident that the data for AY24 is accurate.

The Math Department would like to know if they could gain access to the excel spreadsheets that

were used to calculate these numbers.

- 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?
In addition to better coordination with the administration, the department plans to work with adjunct faculty to ensure that student outcomes are reported accurately. Copies of all instructor outcomes reports as well as all Math Department Program Assessment Summaries are posted to the Math Resource Page in RedZone and are discussed during In-Service Breakout sessions.

Administrative Response:

Discussion regarding the data occurred last year between the Math Department and the Dean of Instruction during the process for the release of the Report of Student Learning for AY23. The Dean found only minor differences for data in Outcome 2 before correcting those and publishing them in the report. Some data was not adjusted due to inaccuracy of reporting.

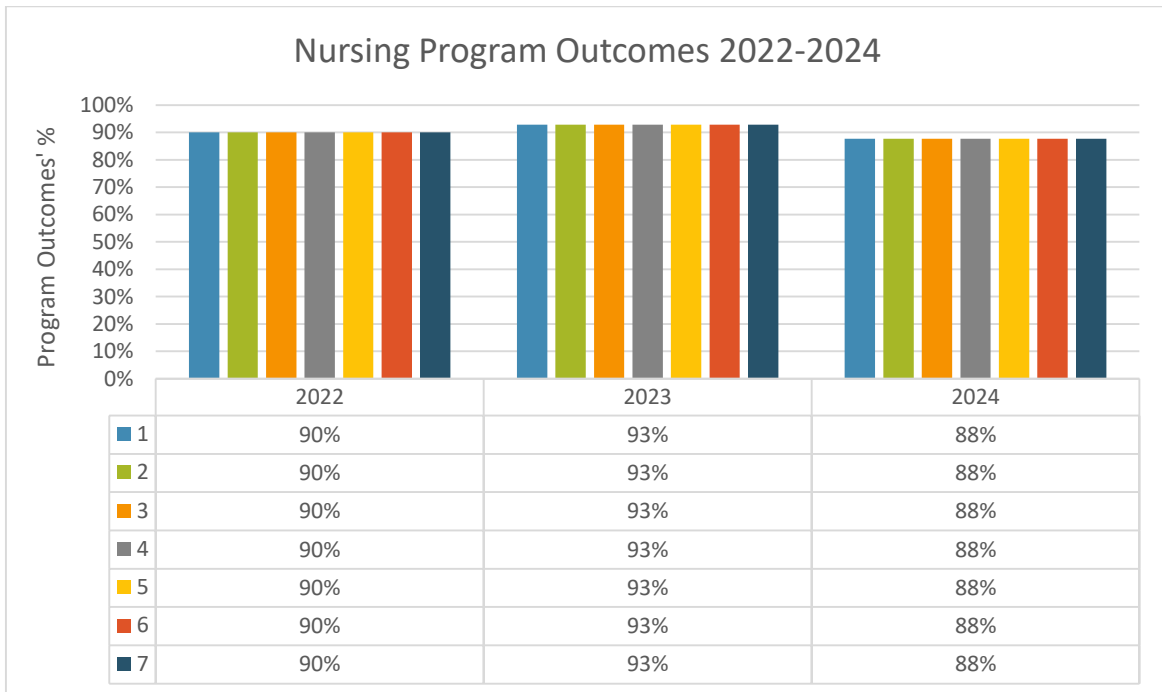
The Office of Academic Affairs will promote more full-time faculty training regarding outcomes reporting so faculty can enhance their assessment discussions with adjunct and concurrent instructors, with a focus on the importance and process of accurate outcomes reporting.

Additionally, the Office of Academic Affairs will monitor more closely every instructor course outcomes report to ensure that all instructors have turned in accurate reports, as data accuracy is key to ensuring valid analysis of results and evaluation of course and program effectiveness. Administration will also ask faculty to enhance their monitoring of the reports provided to them as an extra layer of review.

Nursing

Program Outcomes, 2022-2024:

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?**
 This data is reflective of the number of students who successfully meet the student learning outcomes in each course with an 80% (grade A or B) benchmark. Students must achieve an 80% in each nursing course before proceeding onto the next course in the program according to the Progression Policy set forth by the program. Each of the course and program outcomes are viewed as equally important to passing the course, thus if a student earns less than 80% in the course, they would not achieve any of the course/program outcomes. The fluctuation of student success over the past years may be a reflection of the increased number of students who are entering nursing school without having all the general education completed prior to admission. As a result, students must complete the general education requirements along with nursing theory and clinical coursework, making the time commitment intensive.
- **What did you not learn from the data?**
 The data is difficult to interpret as it reflects Level I and Level II students combined in the same reporting period, not a single cohort of students in the program. Program evaluation and decisions for student cohorts are made based upon the analysis and achievement of Program Student Learning Outcomes in the Systematic Evaluation Plan completed annually within the program.

- What do you hope to learn and do differently this academic year?
Each year the program completes an extensive evaluation on each of the Program Student Learning Outcomes as part of the Systematic Evaluation Plan (SPE). In this review process, each course outcome and end of program student learning outcome are reviewed for effectiveness. The SPE also utilizes an expected level of achievement for each Program Student Learning Outcome using measurable assessment methods. Program decisions are determined and driven by the faculty according to the standards set forth by ACEN.

NCLEX 1st Attempt Pass Rates:

Year	# of Testers	PN*	# of Testers	RN
2022	22	100%	12	91.67%
2023	11	100%	27	100%
2024**	19	94.44%	20	100%

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

***2024 results are not official until December 2024, when the Kansas State Board of Nursing will publish official 2024 first time pass rates. Report date: 9/11/2024.*

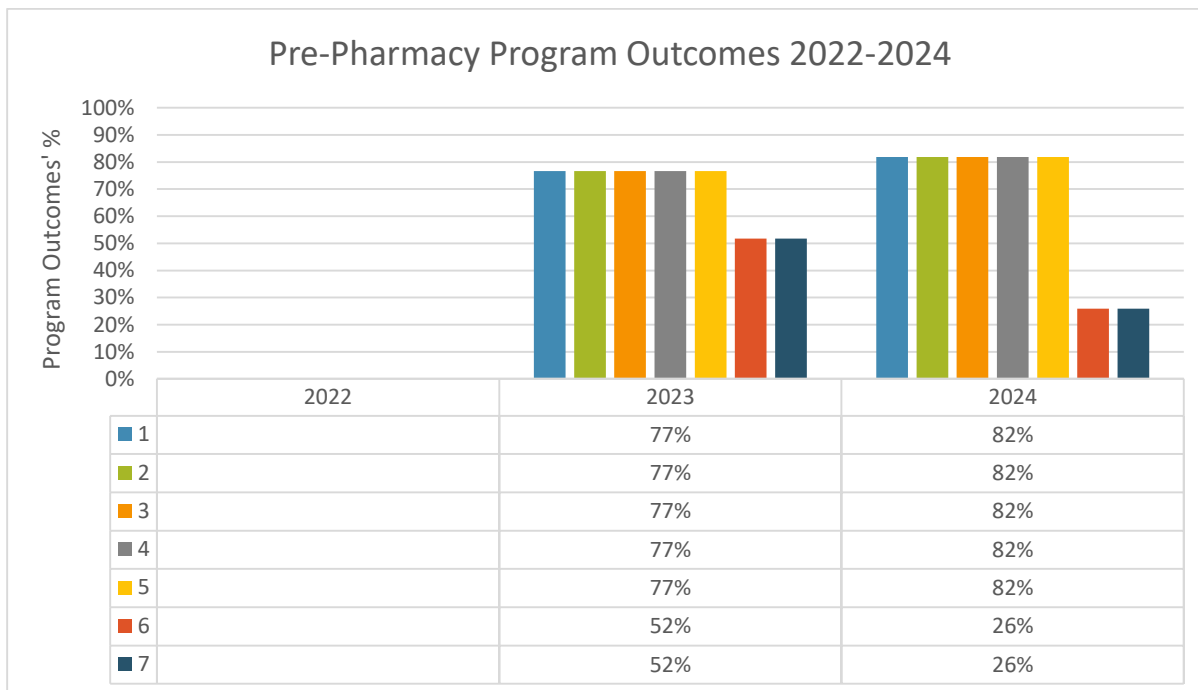
The Associate Degree Nursing Program at Labette Community College located in Parsons, Kansas is accredited by the:

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

Pre-Pharmacy

Program Outcomes, 2023-24:

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.



- What did you learn from the data?
The labs seem to be a weak point for students.
- What did you not learn from the data?
Why the labs especially are so low.
- What do you hope to learn and do differently this academic year?
Think a little more about the labs and how to bring up those lab-related outcomes.

Psychology

Program Outcomes, 2022-2023:

1. Evaluate the different theories in the field of sociology by applying basic theoretical concepts and other sociological concepts to understand society better.
2. 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, 2024:

1. Evaluate the different theories in the field of psychology by applying basic theoretical concepts to understand the mind and behavior.
2. Evaluate the major perspectives in the field of psychology, as well as understanding the biological basis of behavior and the psychology of consciousness and cognition.
3. Demonstrate critical thinking skills and apply the scientific method to problems and theories related to the field of psychology.

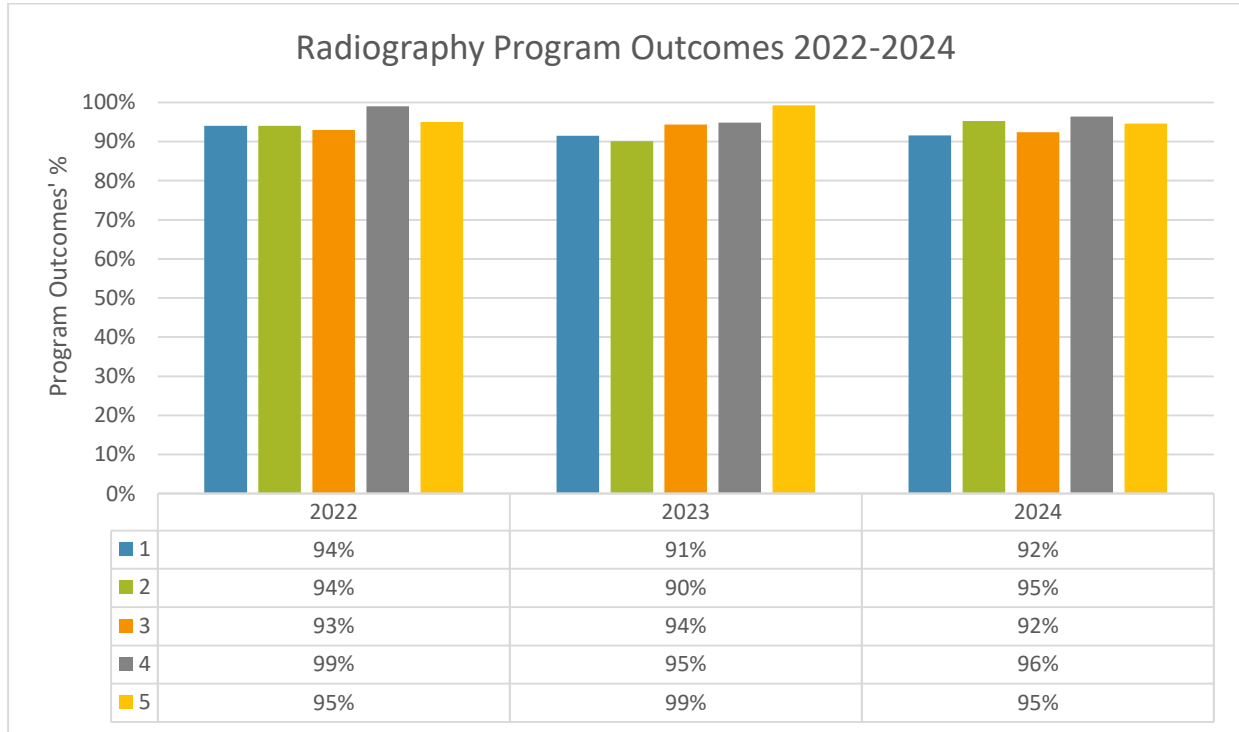


- What did you learn from the data?
The achievement of outcome 3 has improved since 2022.
- What did you not learn from the data?
N/A
- What do you hope to learn and do differently this academic year?
I hope to learn specific areas in which students may need further instruction to obtain needed department outcomes.

Radiography

Program Outcomes, 2022-2024:

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 program data demonstrates a 2% decline that student(s) will use critical thinking and problem-solving skills and a 4% decline in the program graduating students as entry-level radiologic technologists when comparing data in FY2023 to FY2024 even though the program graduated more students in FY2024 with 17 graduates compared to only 8 graduates in FY2023. The program data demonstrates a significantly higher 5% increase that students are able to communicate effectively and 1% increase in the number of students being able to evaluate the importance of professional growth and development and a 1% increase that their students demonstrate clinically competence.
- **What did you not learn from the data?**
 The data does not demonstrate what the number of students in each cohort that the data is being retrieve from and as program stated above there were 8 more graduates in the 2024 cohort as compared to 2023 cohort. I also believe how this data calculated has changed than in past years as well.
- **What do you hope to learn and do differently this academic year?**
 Since the Spring of 2023 the program has not lost a student due to academic failure, if students voluntarily withdraw from the program the following reasons: a career change, medical health reasons, or another personal reason the program cannot control these types of situations. The program continues to collect 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. Beginning FY2025, program director is reducing the number of teaching hours, and a new instructor will be teaching the radiographic imaging courses; RADI 107, RADI 117 & RADI 207 so it will be interesting to see how this program changes impact these program outcomes.

American Registry of Radiologic Technologists National Comparison Report

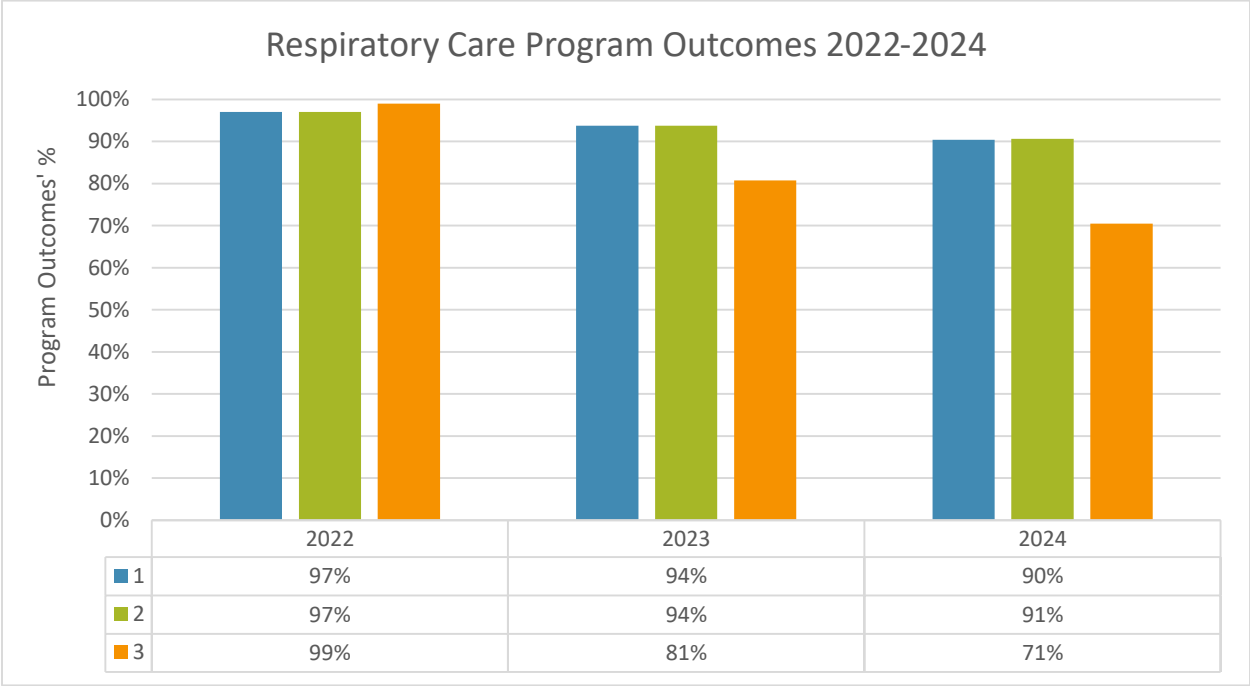
Year	Group	Number of students who tested	Mean	%Pass*
2018-2019	LCC	9	86.8%	100%
2019	National	11,769	83.4%	89%
2019-2020	LCC	12	87.8%	100%
2020	National	10,849	83.3%	88.2%
2020-2021	LCC	10	85%	100%
2021	National	12,252	82.3%	83.8%
2021-2022	LCC	12	87.4%	100%
2022	National	11,295	82.4%	83.5%
2022-2023	LCC	8	85%	100%
2023	National	11470	82%	84.4%
2023-2024	LCC	17	85%	100%
2024	National	*	*%	*%

*The ARRT National Comparison Report for 2024 available February TBD 2025.

Respiratory Care

Program Outcomes, 2022-2024:

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?
#3 needs improving
- What did you not learn from the data?
?
- What do you hope to learn and do differently this academic year?
Spend more time in the simulation lab

CRT & RRT Pass Rates:

Year	Program Graduates	CRT*	RRT**
2021-2022	3	1	2
2022-2023	4	4	1
2023-2024	11	11	4

* Certified Respiratory Therapist is entry-level for employment.
 ** Registered Respiratory Therapist is not required but allows for higher wages

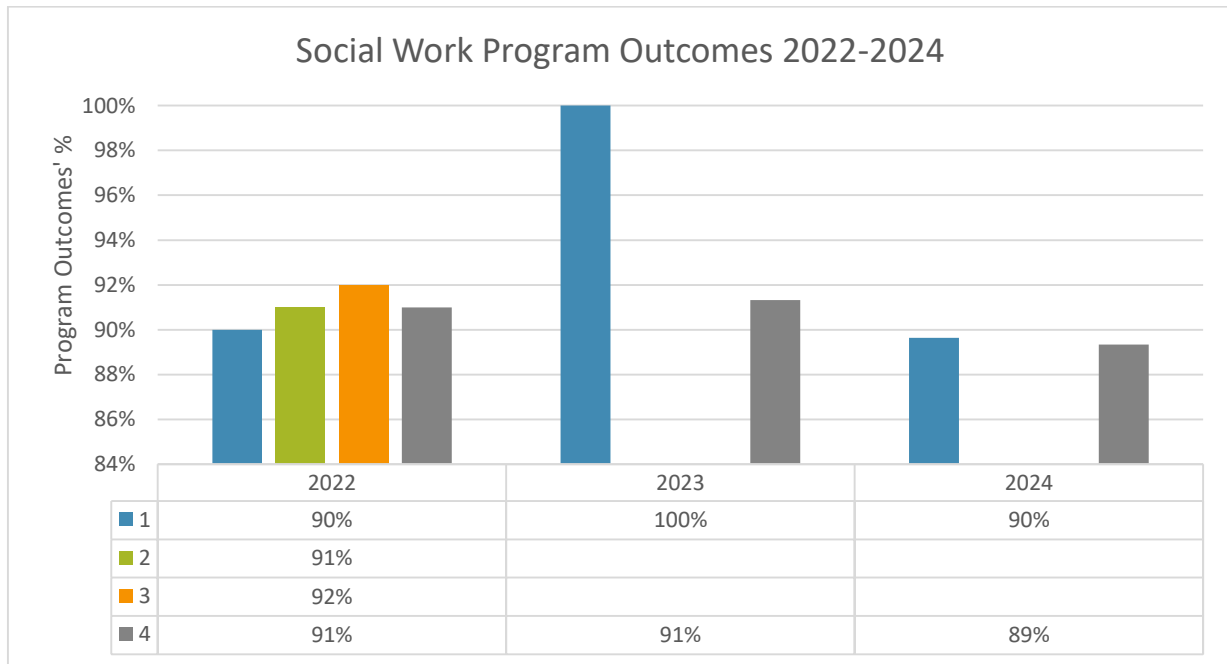
Social Work

Program Outcomes, 2022:

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, 2023-24:

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?**
The percentage levels for #1 and #4 have been generally consistent at about 90%, except for 2023 when the #1 was 100%.
- **What did you not learn from the data?**
What learning exercises can improve critical thinking skills and apply the scientific method to problems and theories related to the social science disciplines.
- **What do you hope to learn and do differently this academic year?**
Plan to utilize increased scenario based exercises toward students using critical thinking skills and applying aspects of the scientific method, especially regarding the principals of the NASW Code of Ethics for Social Workers, and their implications for social workers.

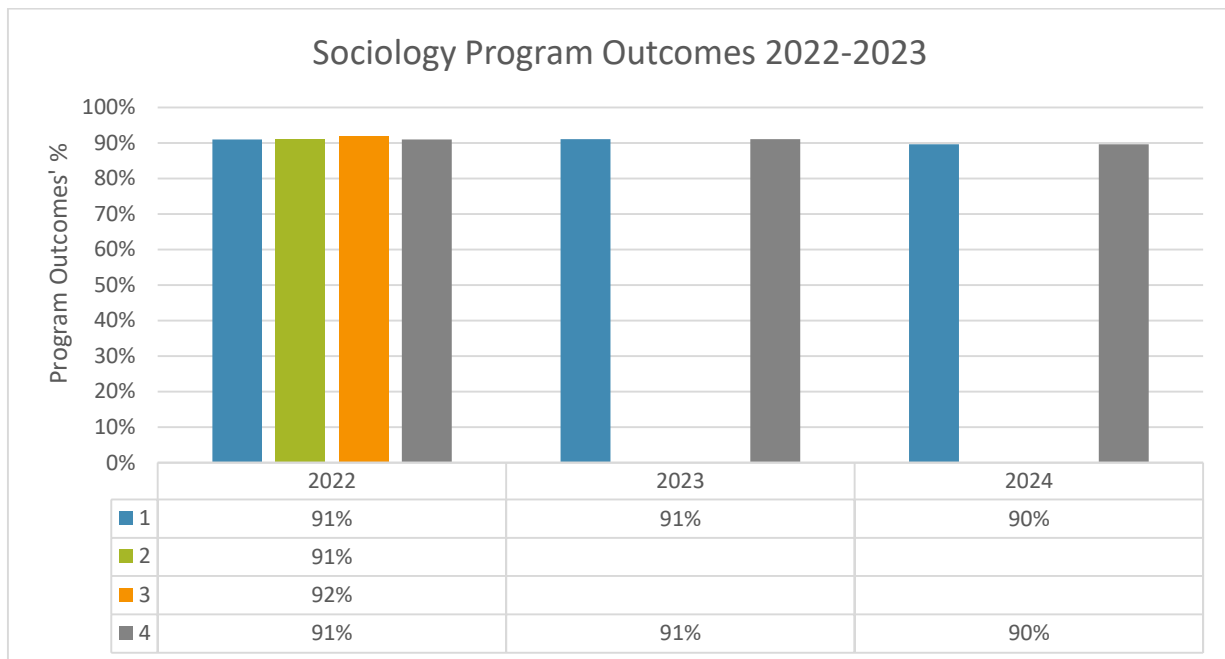
Sociology

Program Outcomes, 2022:

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, 2023-24:

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?
 A couple of things are evident in this report:
 1. Overall, the bar graph reflects a 51% decrease in (the application of theoretical concepts) from 95% in AY 2021 to 90% in AY 2023 and a 4% decrease (in critical thinking skills) from 94% in AY 2021 to 91% in AY 2023.
 2. The bar graph also reflects a 1% decrease in (the application of theoretical concepts) from 91% in AY 2022 to 90% in AY 2023 and a 1% decrease in (critical thinking skills from 91% in AY 2022 to 90% in AY 2023).

However, the trend since AY 2018 indicates a sustained successful Sociology program outcome.

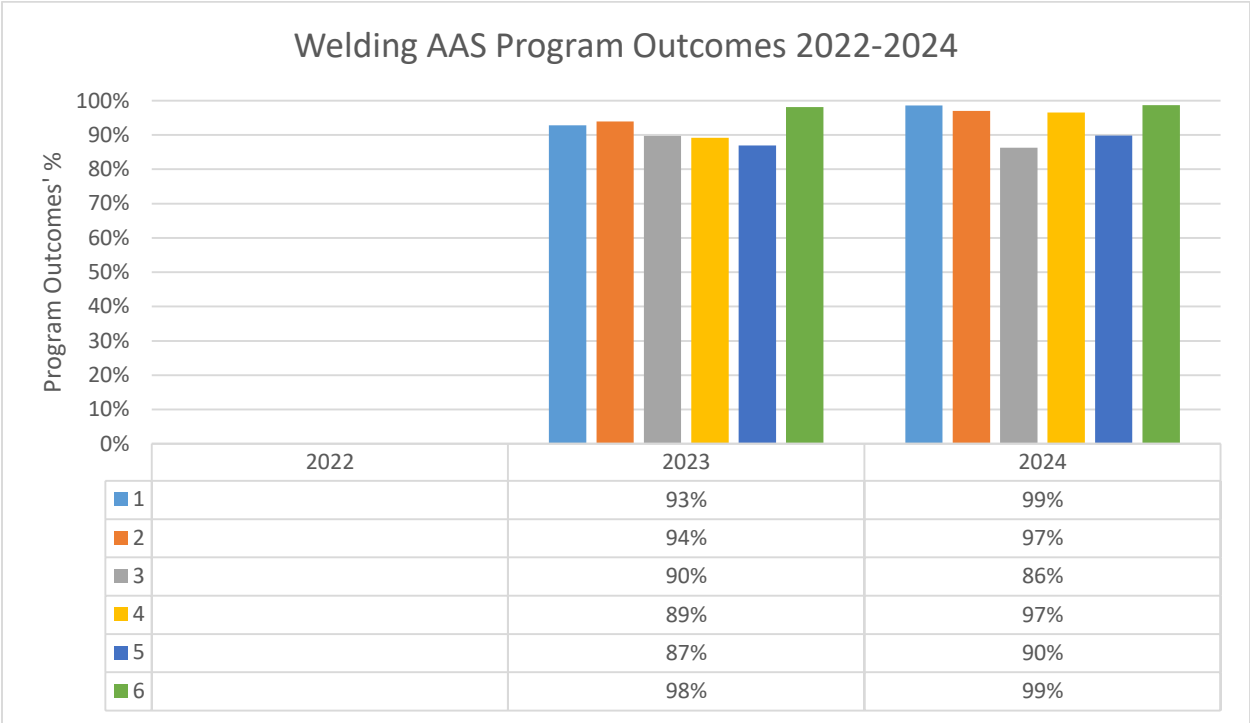
The Sociology Program Outcomes regarding a cognitive understanding of Theoretical concepts range from 81% in AY 2018, 86% in AY 2019, and 87% in AY 2020. The program outcomes related to Critical Thinking range from 85% in AY 2018, 87% in AY 2019, and 91% in AY 2020. Since AY 2021, the Sociology Program Outcomes have demonstrated above 90% comprehension in understanding Theoretical concepts and Critical Thinking.

- What did you not learn from the data?
As in previous reports, I find that the data presented in aggregate form makes it difficult to determine levels of improvement specific to outcome goals regarding the cognitive understanding of theoretical concepts, and critical thinking as defined in each of the Sociology, Marriage and Family, and Social Problem courses.
- What do you hope to learn and do differently this academic year?
I will continue to pursue both traditional and innovative instructional methods as an instructor and facilitator to challenge students to understand the field of Sociology and our society from a sociological perspective.

Welding

Program Outcomes, 2023-2024:

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 have learned that we needed a second instructor to help with such a large group of students. It helps to be able to work in multiple groups so that all students get more attention.
- What did you not learn from the data?
I think that we will find out the difference between last year (20:1 vs 24:1) student instructor ratio and how it will improve our learning.
- What do you hope to learn and do differently this academic year?
We are both working with smaller groups and I hope this helps with our learning.

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 2023	308	323	95%
Spring 2024	273	283	96%
Summer 2024	52	54	96%

Recommendations for Academic Year 2025:

1. As noted in the AY23 report, all programs undergoing comprehensive review in AY24 will update their Program Assessment alignment forms on file in the Academic Affairs office. Programs undergoing comprehensive review in AY25:
 - AS Communication
 - AS Early Childhood Education
 - AS Elementary Education
 - AAS Graphic Design Technology
 - AAS Respiratory Care
 - AS Secondary Education
 - AAS Diagnostic Medical Sonography
 - AAS Welding
2. Feedback from faculty and administrators includes the need for more internal program consistency in data reporting, especially regarding accurate data entry of course outcomes and sufficient responses to narrative prompts. This is still an issue from last year due to administrative turnover. Beginning in the fall semester of 2024, administration will review every instructor course outcomes report to ensure that all faculty have turned in accurate reports, as data accuracy is key to ensuring valid analysis of results and evaluation of course and program effectiveness.