

Merced College 2022-23 Assessment Report

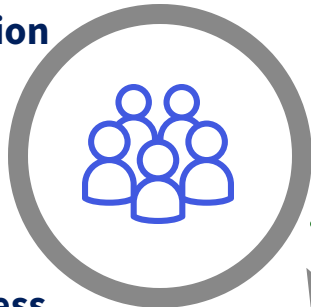
Mission:

At Merced College, students are our focus, and we are known by their success. We transform lives through education and workforce development.



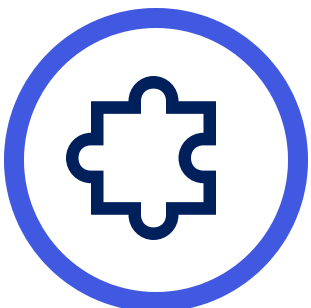
Core Values:

- Student Engagement and Support
- Trust and Communication
- Innovation and Technology
- Collaboration
- Critical Thinking
- Inclusivity
- Well-being and Happiness



Types of Assessments at Merced College:

- Program Review
- Student Learning Outcomes
- Service Area Outcomes
- General Education Assessment
- Accreditation Reports



Vision:

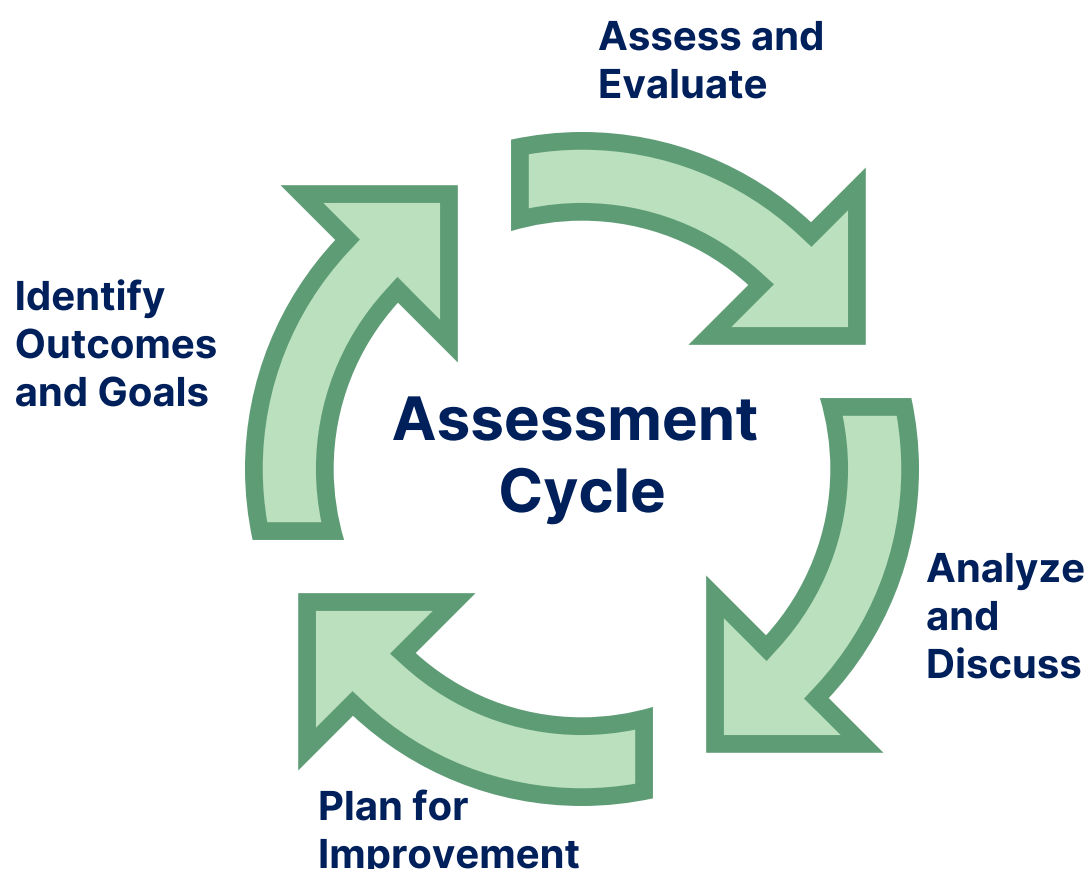
Enriching our community through educational experiences and support services:

- Degree/Certificate Programs
- Transfer
- Career Technical Education
- Workforce Training
- Lifelong Learning
- Basic Skills
- Community Engagement

Merced College Promotes success through equitable access, continuous quality improvement, and institutional effectiveness, all with a focus on student achievement.

What is Assessment:

- Assessment is the systematic collection, review and use of information about programs and services to improve student learning experiences
- Ultimate goal is to pose questions and gather information to bring about improvement
- Assessment affects decision making. "Are students learning what they are supposed to be learning?" "Is there a better way to provide services to students and/or the college community?"



2022-23 Program Review

Program Review Resources



Instructional Programs

Program Reviews were completed for 2022-23



Administrative Services

Program Reviews were completed for 2022-23



Student Services

Program Reviews were completed for 2022-23



Information Technology Services

Program Reviews were completed for 2022-23

Key Developments

- All non-instructional areas added an equity component to their PR template to integrate the equity plan in the PR work. Examples of changes:
 - Disaggregated data used where appropriate
 - Discussions on how existing policies and practices would be affecting target groups (low-income, Hispanic students)
 - SAO's will be used for 3 years to track changes
- Instructional Designers began using non-instructional Program Review template
- Program Review Library was migrated to new website

Proudest Moments

- Student Services departments are thinking more deeply about the integration of equity into their day-to-day operations
- S-STEM grant awarded that will launch in Fall 2023
- MESA program will be housed in the Science Building starting Fall 2023
- Biology classes with labs have begun at CCWF
- HVAC Technician program is now a one-year certificate
- All CORE courses for CLDV program are Zero Textbook Cost to students
- The first Paramedic training program at MC has been initiated
- Fall 2022 first semester where a course listed solely under Ethnic Studies was offered
- Creation and launch of the Hospitality Career Academy (HCA) and the Hospitality Career Academy Junior in partnership with El Capitan Hotel, Mainzer, and MUHSD
- Administrative Services Program Review participants indicated they were proud of the collaboration that occurred during the process
- Student Fees was proud of moving payment plans completely online and having installments scheduled

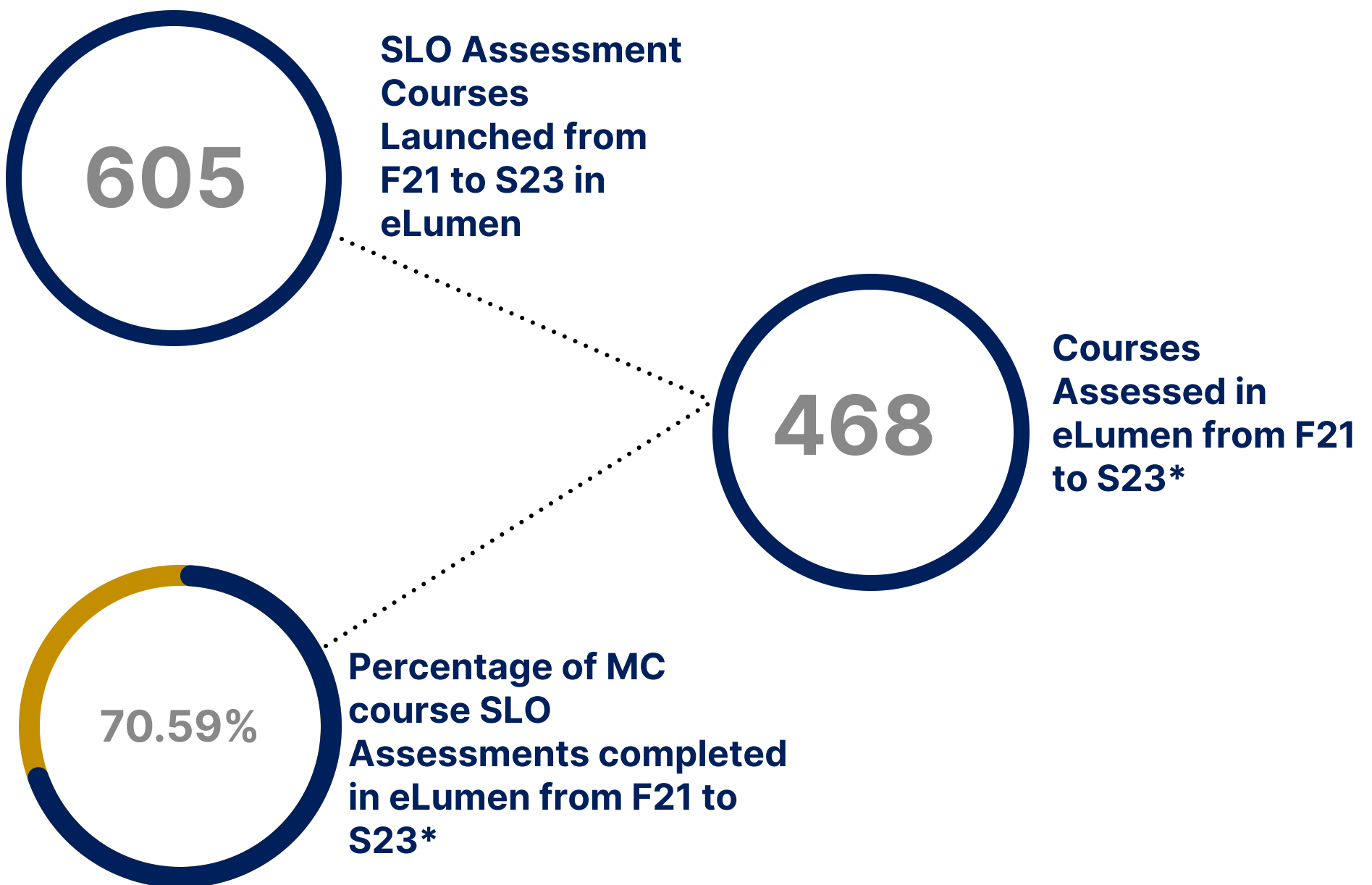


Student Learning Outcomes Assessment, SLOs

- All courses taught at Merced College have outcomes which inform students of the skill sets they are expected to become proficient in during the course.
- The passing of Senate Resolution 05-21 helped define a timeline for SLO assessment and completion of Program Reviews (PRs). SLO assessments and PRs alternate every other year with SLOs to be assessed at least once in a two year cycle.
- Faculty use SLO assessment data to identify gaps, resources needed to improve student learning, and changes needed in assessment, pedagogy, curriculum, and/or program to address the gaps.

Assessment Update:

- Spring 2023 and Summer 2023 were the final two semesters of our first 2-year cycle rotation for course SLO assessment.
- Spring and summer assessments are due at the end of the 6th week of Fall 2023

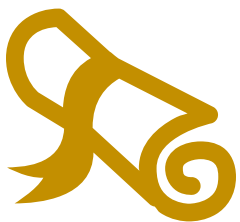


Note: Does not contain Spring 2023 or Summer 2023 assessments as the due date has not yet passed

The goal for the next two-year cycle is to increase the number of courses, those with multiple sections, completing the post-discussion form that demonstrates collegial discussions on SLO assessment data is occurring.

General Education Assessment

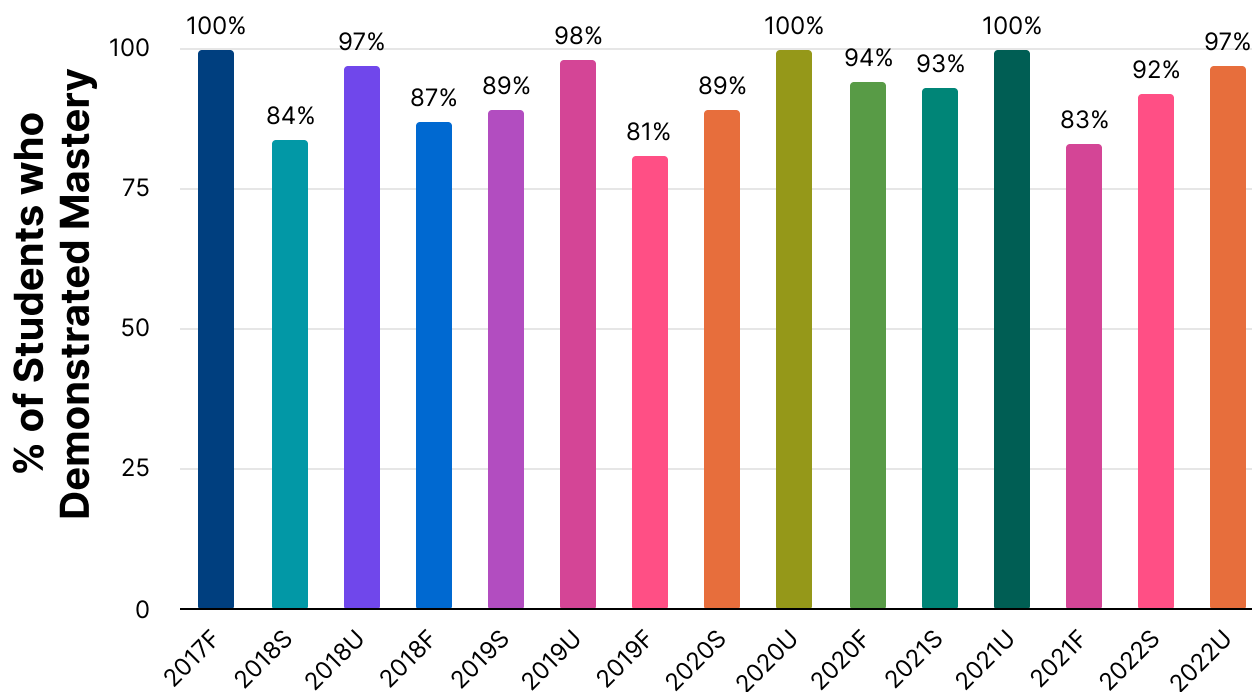
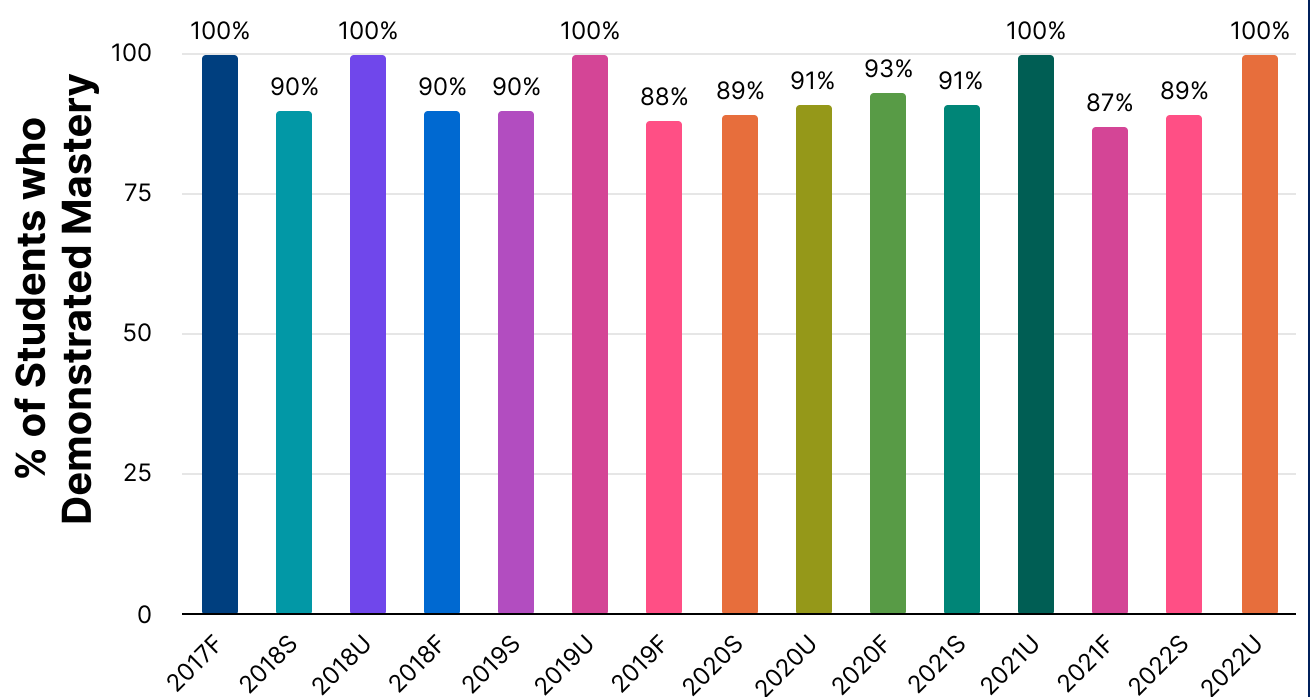
- General Education (GE) is an important part of the course requirements that each student must complete in order to obtain an Associates Degree or to transfer to a university.
- General Education classes provide a broad skillset that helps students be well-rounded. They introduce fundamental ideas in arts, humanities, social sciences, and natural sciences.
- Accreditation Standards require that degree programs contain a component of general education.
- The General Education Learning Outcomes (GELO)
 - Cognition
 - Communication
 - Computation
 - Global and Community Consciousness and Responsibility
 - Personal Development and Life-Long Learning



GE Assessment Results

- Mastery Level Data supplied by eLumen.
- The percentages indicate the percent of assessed students who demonstrate mastery of the outcome.
- Benchmark for GELO is 70%.
- For additional accessible content on GELO bar charts see pages 9-11

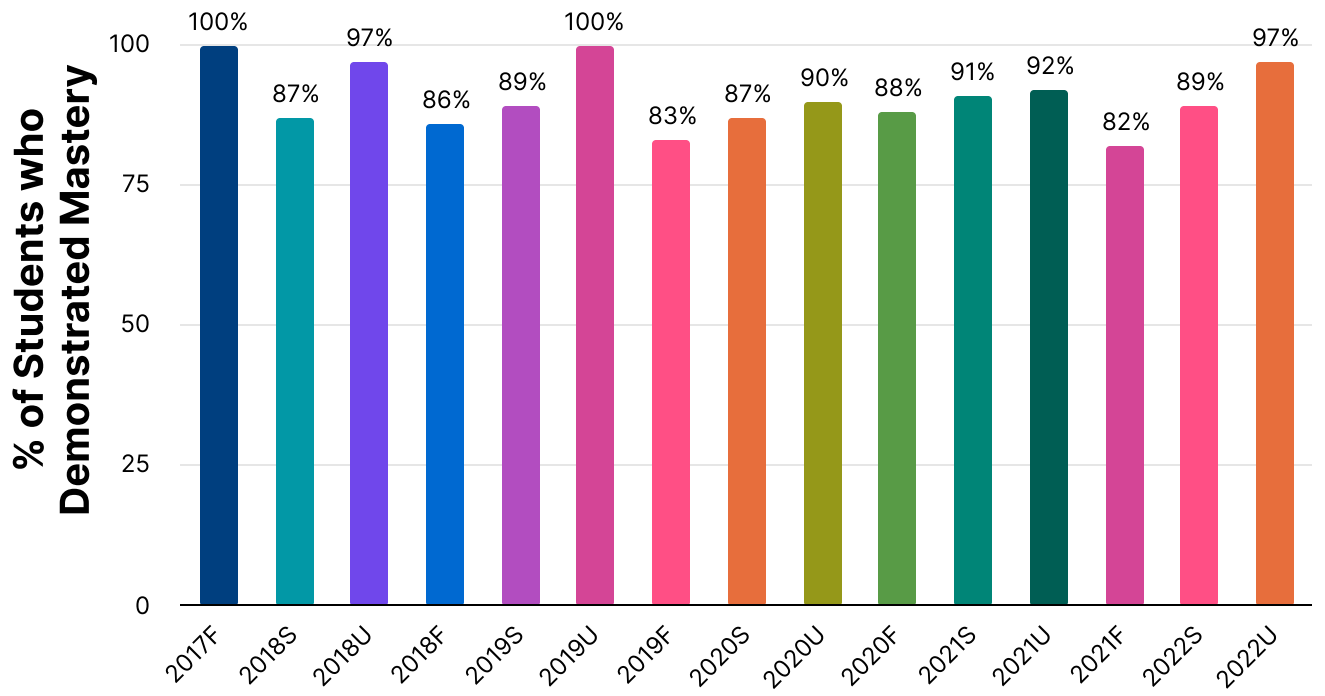
Communication:
Use language and non-verbal modes of expression appropriate to the audience and purpose.



Computation:
Use mathematical skills and various aspects of technology appropriate to the task.

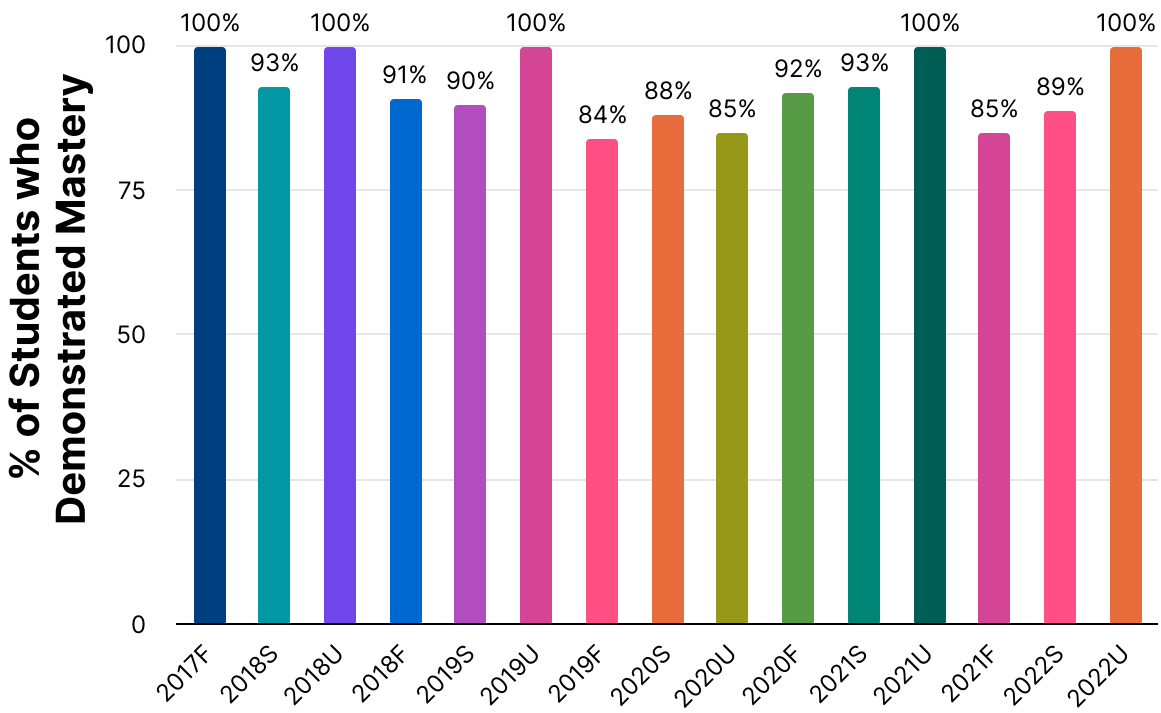
Cognition:

Use critical thinking skills to analyze, synthesize, and evaluation of ideas and and information.



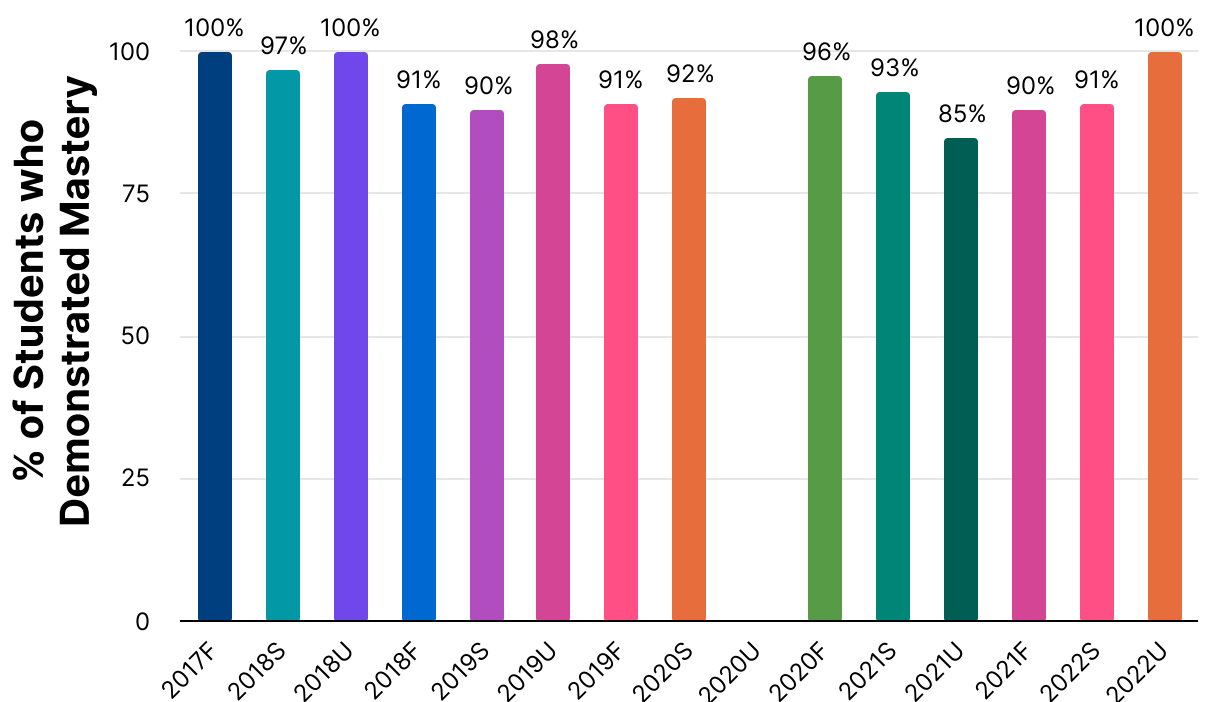
Global and Community Consciousness and Responsibility:

Demonstrate understanding of different cultures and knowledge of historical eras and importance of community involvement.



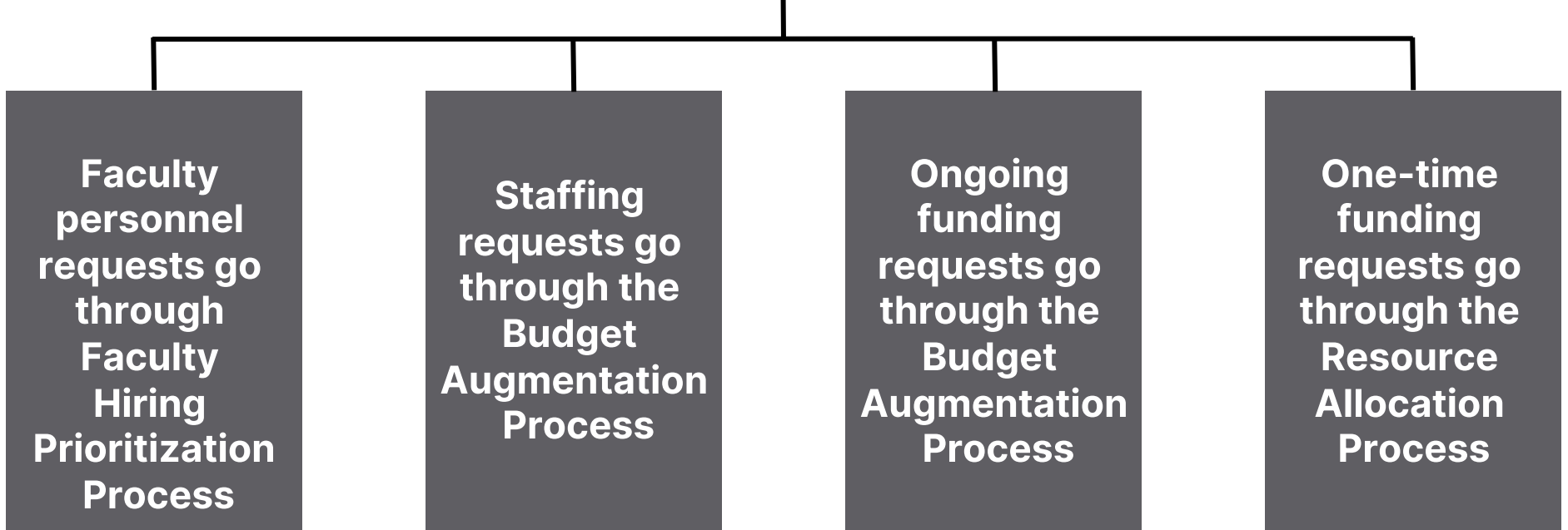
Personal Development and Life-Long Learning:

Demonstrate self-management, maturity, and growth through the practices that promote physical, mental and emotional well-being.



Resource Allocation, RA

All funding requests should be linked to goals in Program Review



RA Steps	Dates	Resource Allocation Request Step Description
Step 1	March-May	Resource Allocation forms are submitted to direct supervisor. Requested resources should be connected to planning goals in your most recent PR.
Step 2	March-May	Managers from a division verify requested items have been identified in respective program reviews. Division managers will work together to combine all requested resources into one prioritized list.
Step 3	May	Appropriate Master Planning Committees review Resource Allocation lists for their division.
Step 4	July-August	VP's meet to develop one prioritized Resource Allocation list for the entire college, including identifying alternate funding resources. Cabinet reviews the final list to determine items to be funded.
Step 5	September-November	Resource Allocation funding is adopted by the Board of Trustees as part of the District final budget. Budget managers are notified and account lines are provided.
Step 6	September-November	Report to Budget Committee on prior and current year Resource Allocation items.
Step 7	March-October	In current program reviews, participants should assess how previously funded items helped improve program outcomes or goal achievement.

Other things to note about Resource Allocation

- All funding requests need to be included in the program review, however, not all items should be included in the Resource Allocation Process.
- The Resource Allocation Process identifies the need for equipment/services to assess in goal achievement or improve program outcomes.
- The vetting process for Resource Allocation includes looking for other sources of funding such as grants and one-time funds.

Closing the Loop

Items Funded and Purchased from the 2021-22 Resource Allocation Process

Requests from 2020-21 Program Review

- Boom Lift (Complete-Maintenance)
- Canopies (Complete-Student Services)
- Carts (Complete-Maintenance and Operations)
- Cohort Development (In progress-Instruction)
- Copier (Complete-Fiscal Services)
- Dishwasher/Refrigerator (Complete-Child Development Center (CDC))
- Interior/Exterior Paint (Complete-CDC)
- LB Remote Worker Lounge (In progress-Instruction)
- Mower (Complete-Grounds)
- Office Blinds (Complete-Student Fees)
- Pool Dolphine (Complete-Maintenance)
- Sheds (Complete-CDC)

2022-23 Approved Resource Allocation One-Time Funding Requests

Requests from 2021-22 Program Review, funds available October 2023

- Adjustable Racks and Bins (Maintenance)
- Beltpack Headsets (Theater Arts)
- Budget Software (Fiscal)
- Classic Birch Classroom Chair 11.5" (CDC)
- Colleague Studio computed columns for Business Applications Analyst (ITS)
- Colleague Studio Programming Fundamentals Training for Business Applications Analyst (ITS)
- Copier (Purchasing)
- Copier/Scanner (Payroll)
- Covered Carport (Maintenance and Operations)
- Desk Risers (Office of Institutional Effectiveness (OIE))
- Desktop Computers (Payroll)
- eLumen Credits (OIE)
- Facilities Building Expansion (Maintenance and Operations)
- Field Lazer Airless Sprayer (Maintenance and Operations)
- Forklift (Purchasing)
- Honda Generator (Events)
- Hydro Jet & Camera, Sewer Drain Cleanout (Maintenance)
- iPad Air-Volleyball (Volleyball)
- iPad-Men Water Polo and Swimming (Water Polo/Swim)
- Laserfiche Training for Business Applications Analyst (ITS)
- LB Kiosk: HP EliteBook X360 1030 G4 (Convertible Laptop/Tablet) (LB Student Fees)
- LB Service Window: Bulletproof Glass (LB Student Fees)
- Mowers (Grounds)
- Parts Washer (MC Farm)
- Push Bar Emergency Exit Gate (CDC)
- Signage over Welcome Week (Student Services)
- Storage Cabinets (OIE)
- Tableau Training for Business Applications Analyst and Senior Research Analysts (ITS)
- Taylor-Dunn Cart (Maintenance and Operations)
- Taylor-Dunn Cart (Purchasing)
- Topdresser (Grounds)
- Travel and Expense Software (Fiscal Services)
- Various Music Materials-Infant/Toddler (CDC)
- Wooden Dutch Doors (CDC)

2022-23 State Instructional Equipment Budget Funded Items
Requests from 2021-22 Program Review

1. 3B Human Sexless Torso Model (Biology)
2. Apple 11-inch iPad Pro Wi-Fi plus AppleCare+ (Theater Arts)
3. Baseball Batting Cage Net (Kinesiology)
4. Beltpack headsets (Theater Arts)
5. Biopac Human Physiology lab teaching system (Biology)
6. Book/e-Book Funding (Library)
7. Corning Hot Plate Digital Stirrers 120 V, 60 Hz PC-420D 5x7" (Chemistry)
8. Corning Hot Plates with Stirrers (Biology)
9. HP ProBook 650 G5 (50) (Distance Ed.)
10. HP ProBook 650 G5 (Mathematics)
11. HP ProBook 650 GB computers for use with BIOPAC physiology teaching system (Biology)
12. HP ProDesk 400 GB mini desktop computers for Biology 1 Lab (Biology)
13. HX-200 Systec Autoclave large replacement autoclave for microbiology and Service Contract (Biology)
14. Intelligent Charging Carts (SB-5924B, charges 24 laptops) (Mathematics)
15. Laptops (Chemistry)
16. Leblond Lathe (Welding)
17. Licensed Software for BIOPAC teaching system (Biology)
18. MEDIACLAVE 10 US Plug with Printer (Biology)
19. MEDIAJET maintenance for microbiology plate pourer and parts (Biology)
20. Microfilm reader (Library)
21. Minus 80 Freezer model MDF-DU302VX-PA (Biology)
22. Model of Human Cochlea (Inner Ear) (Somso) (Biology)
23. Model of Human Ovary (Somso) (Biology)
24. Model of Planarian (Ward's) (Biology)
25. Oversized Heart Model W/Pericaerdium (Denoyer-Geppert) (Biology)
26. PC Based Minispirometer Light and Filer Kits (Biology)
27. pH Probes (Chemistry)
28. Pipe Pro 400 (Welding)
29. Primo3HD+100x Primostar HD Digital Microscope with integrated 8mp camera (Biology)
30. Programmable Electric Kiln (Fine Arts)
31. Removable Neuron Model (Somso) (Biology)
32. Rubin's Eye Vision Simulator with corrective lenses (Biology)
33. Set of Microscopes for the Human Biology and Physiology lab Zeiss Primostar light microscopes (Biology)
34. Slide Cabinet system for storing microscope slides (Biology)
35. Spine Board for swimming pool (Kinesiology)
36. Surface Pros (including keyboard and stylus) (Chemistry)
37. Tall Storage Microscope Cabinet with Glass Doors (Biology)
38. Thermo Scientific Visible Spectrophotometer Set for all Biology Labs (Biology)
39. Timpani Set (Music)
40. Weld Bend Tester (Welding)
41. Wireless Microphone System (Theater Arts)
42. Yamaha YM-1430 Marimba (Music)
43. Bend Tester (Welding-LB)
44. New Desk (English-LB)
45. New Chairs (Science-LB)

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[Additional General Education Learning Outcomes Bar Chart Accessibility Content](#)

[General Education](#)

General Education (GE) is an important part of the course requirements that each student must complete in order to obtain an Associates Degree or to transfer to a university. General education classes provide a broad skillset that helps students be well-rounded. They introduce fundamental ideas in arts, humanities, social sciences, and natural sciences. Accreditation standards require that degree programs contain a component of general education.

The General Education Learning Outcomes (GELOs) are:

- Cognition
- Communication
- Computation
- Global and Community Consciousness and Responsibility
- Personal Development and Life-Long Learning.

[General Education Assessment Results](#)

Mastery level data for GE assessment results were supplied by eLumen. The percentages indicate the percent of assessed students who demonstrate mastery of the outcome. The benchmark for each GELO is 70%

[Communication](#)

The Communication GELO states that students will be able to demonstrate use of language and non-verbal modes of expression appropriate to the audience and purpose. The results of the Communication GELO are as follows:

- Fall 2017, 100% of students demonstrated mastery
- Spring 2018, 90% of students demonstrated mastery
- Summer 2018, 100% of students demonstrated mastery
- Fall 2018, 90% of students demonstrated mastery
- Spring 2019, 90% of students demonstrated mastery
- Summer 2019, 100% of students demonstrated mastery
- Fall 2019, 88% of students demonstrated mastery
- Spring 2020, 89% of students demonstrated mastery
- Summer 2020, 91% of students demonstrated mastery
- Fall 2020, 93% of students demonstrated mastery
- Spring 2021, 91% of students demonstrated mastery
- Summer 2021, 100% of students demonstrated mastery
- Fall 2021, 87% of students demonstrated mastery
- Spring 2022, 89% of students demonstrated mastery
- Summer 2022, 89% of students demonstrated mastery

Computation

The Computation GELO states that students will be able to demonstrate use of mathematical skills and various aspects of technology appropriate to the task. The results of the Computation GELO are as follows:

- Fall 2017, 100% of students demonstrated mastery
- Spring 2018, 84% of students demonstrated mastery
- Summer 2018, 97% of students demonstrated mastery
- Fall 2018, 87% of students demonstrated mastery
- Spring 2019, 89% of students demonstrated mastery
- Summer 2019, 98% of students demonstrated mastery
- Fall 2019, 81% of students demonstrated mastery
- Spring 2020, 89% of students demonstrated mastery
- Summer 2020, 100% of students demonstrated mastery
- Fall 2020, 94% of students demonstrated mastery
- Spring 2021, 93% of students demonstrated mastery
- Summer 2021, 100% of students demonstrated mastery
- Fall 2021, 83% of students demonstrated mastery
- Spring 2022, 92% of students demonstrated mastery
- Summer 2022, 97% of students demonstrated mastery

Cognition

The Cognition GELO states that students will be able to use of critical thinking skills to analyze, synthesize, and evaluate ideas and information. The results of the Cognition GELO are as follows:

- Fall 2017, 100% of students demonstrated mastery
- Spring 2018, 87% of students demonstrated mastery
- Summer 2018, 97% of students demonstrated mastery
- Fall 2018, 86% of students demonstrated mastery
- Spring 2019, 89% of students demonstrated mastery
- Summer 2019, 100% of students demonstrated mastery
- Fall 2019, 83% of students demonstrated mastery
- Spring 2020, 87% of students demonstrated mastery
- Summer 2020, 90% of students demonstrated mastery
- Fall 2020, 88% of students demonstrated mastery
- Spring 2021, 91% of students demonstrated mastery
- Summer 2021, 92% of students demonstrated mastery
- Fall 2021, 82% of students demonstrated mastery
- Spring 2022, 89% of students demonstrated mastery
- Summer 2022, 97% of students demonstrated mastery

Global and Community Consciousness and Responsibility

The Global and community Consciousness and Responsibility GELO states that students will be able to demonstrate an understanding of different cultures and knowledge of historical eras and importance of

community involvement. The results of the Global and Community Consciousness and Responsibility GELO are as follows:

- Fall 2017, 100% of students demonstrated mastery
- Spring 2018, 93% of students demonstrated mastery
- Summer 2018, 100% of students demonstrated mastery
- Fall 2018, 91% of students demonstrated mastery
- Spring 2019, 90% of students demonstrated mastery
- Summer 2019, 100% of students demonstrated mastery
- Fall 2019, 84% of students demonstrated mastery
- Spring 2020, 88% of students demonstrated mastery
- Summer 2020, 85% of students demonstrated mastery
- Fall 2020, 92% of students demonstrated mastery
- Spring 2021, 93% of students demonstrated mastery
- Summer 2021, 100% of students demonstrated mastery
- Fall 2021, 85% of students demonstrated mastery
- Spring 2022, 89% of students demonstrated mastery
- Summer 2022, 100% of students demonstrated mastery

Personal Development and Life-Long Learning

The Personal Development and Life-Long Learning GELO states that students will be able to demonstrate self-management, maturity, and growth through the practices that promote, physical, mental and emotional well-being. The results of the Personal Development and Life-Long Learning GELO are as follows:

- Fall 2017, 100% of students demonstrated mastery
- Spring 2018, 97% of students demonstrated mastery
- Summer 2018, 100% of students demonstrated mastery
- Fall 2018, 91% of students demonstrated mastery
- Spring 2019, 90% of students demonstrated mastery
- Summer 2019, 98% of students demonstrated mastery
- Fall 2019, 91% of students demonstrated mastery
- Spring 2020, 92% of students demonstrated mastery
- Fall 2020, 96% of students demonstrated mastery
- Spring 2021, 93% of students demonstrated mastery
- Summer 2021, 85% of students demonstrated mastery
- Fall 2021, 90% of students demonstrated mastery
- Spring 2022, 91% of students demonstrated mastery
- Summer 2022, 100% of students demonstrated mastery