WELCOME to GP Year 2!

"Ready. Set. Design."

Riverside

11 March 2019
8:30 – 3:00 PM

California Community Colleges

Meta-Majors and Program Mapping:
One College Story

Discovering our Career Clusters at Mt SAC

California Community Colleges

WIFI

Open the browser and enter: IEPI2019

California Community Colleges

Introductions and Framing

Presenters & Experts:

Dr. Joumana Gowan, Patricia Maestro, Emily Versace, Sara Mestas (Mount San Antonio College)

Janet Fulks (ASCCC/Bakersfield)

Tahirah (Ty) Simpson (ASCCC/San Bernardino Valley)

Facilitator(s):

Janet Fulks, Chase Fischerhall

California Community Colleges

Outcomes

- Benefit from ASCCC learnings on meta-majors design principles and considerations from across the state
- Understand decision-points and challenges in the areas of: inclusivity, design, data and communications through Mt San Antonio College's Career Clusters story, and interact with the clusters from a student lens
- Carry back learnings to your GP team!

Agenda

- 9:30-9:40 – Introduction to the Session and Strategies to gain the most, introducing presenters
- 9:40-9:55 – ASCCC Framing of Meta Majors
- 9:55 – 11:25 - Mount San Antonio College - Presentation, Activity, Q & A
- BREAK - 11:25 - 11:35
- 11:35 – 11:55 – Guiding Design Principles, Resources (Scenarios Activity and Handout)
- 11:55 – 12:00 – Pluses and Pauses

“[I am a] student among students.”

- Paulo Freire

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Sacred Minute

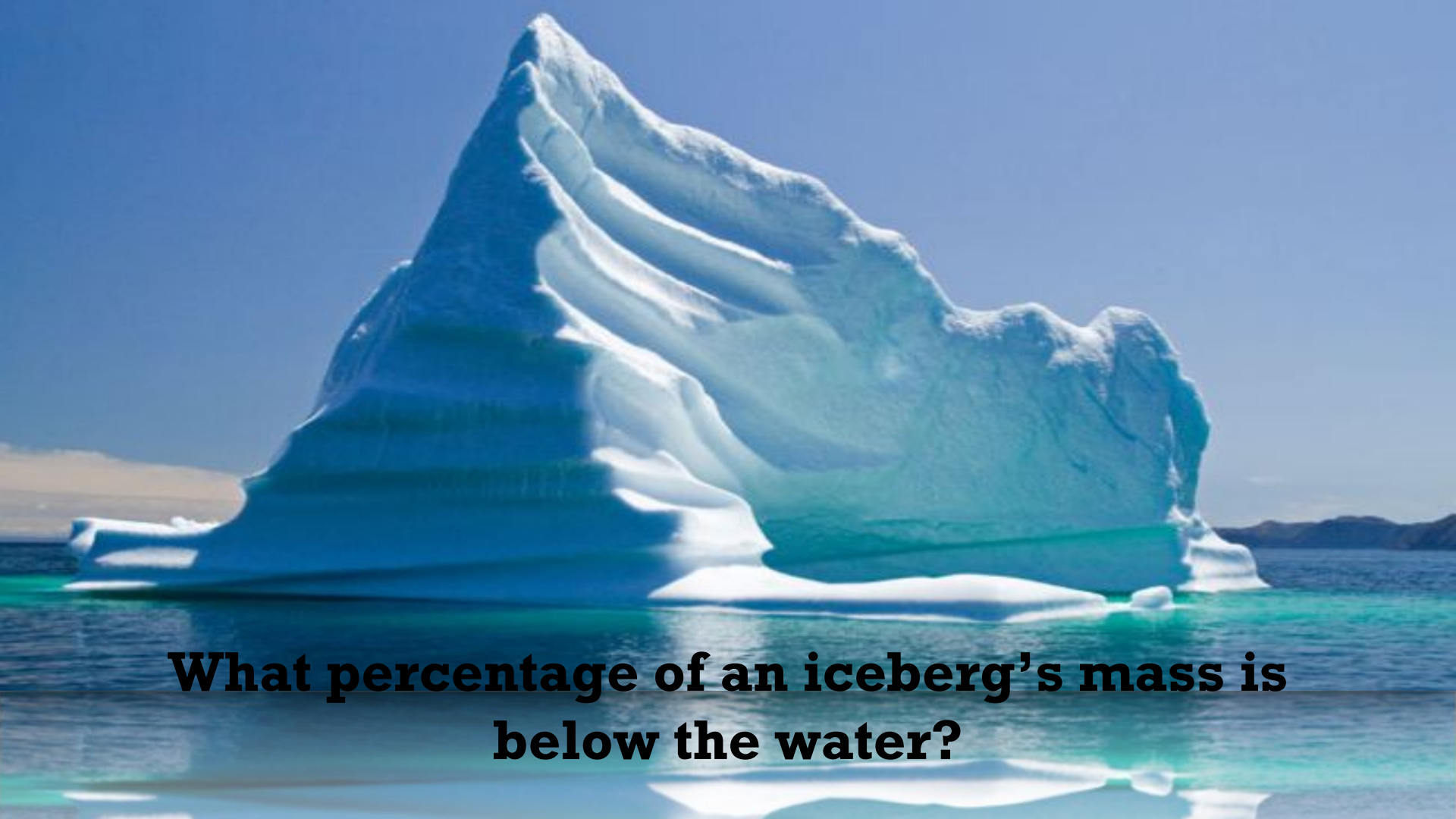
Please take a moment to think about what story emerged, for you, from the quote.

1. Find a partner at your table who you can share your story with.

2. You will each be given one minute to share. Time will be kept by the facilitator and you will be prompted to switch when your minute it up.

    - As a listener, you are not allowed to ask questions, make comments or interrupt the speaker.

    - As the second speaker, do not feel like you have to respond to what your partner shared.


What percentage of an iceberg's mass is below the water?


90%

How do we move from student voice to student participation in design?

Building Student Participation Activity

1. Individually, take a minute to read the student quote.
2. On the sticky note provided, write down your responses to:
    - What stood out to you while reading the student quote?
    - What follow-up question(s) would you want to ask students about this issue/challenge?
    - Which student populations would you ask?
3. Your table is now tasked with designing an approach for student participation surrounding the issue/challenge identified in the quote.

Things to consider:

1. ***How does your approach meet students where they are at?***
2. ***How is your approach informed by data?***
3. ***How does your approach ensure equitable access for students?***
4. ***How does your approach leverage other programs or resources on campus?***
5. ***How does your approach prepare students who are getting involved?***

Academic Senate
for California Community Colleges

LEADERSHIP. EMPOWERMENT. VOICE.

Meta-Majors

Janet Fulks, ASCCC Faculty Lead, Guided Pathways Capacity Building

Biology, Bakersfield College

Tahirah (Ty) Simpson, ASCCC Faculty, Guided Pathways, Counseling, San Bernardino Valley College

Q&A

- What aspect of meta-major development do you think will work best at your college?
- What aspect will be the most challenging?
- For those that have already begun meta-major development, what worked well, and what didn't?

Meta-what ?

What are metamajors?

- Groupings
- Areas of Interest
- Areas of overlap
- Alignment with HS
- Alignment with Transfer
- Better guidance at all levels
- Registering for the correct Math and Gen Ed

What is the purpose?

- Clarifies/simplifies options for students
- Provides an organizational structure and could be even more…
- Integrates across silos and institution
- Aligns outcomes
- Identifies areas for new programs, metamajors, or modified programs
- Reduces loss ; Reduce units
- May provide more manageable (and useful) data

Skyline COLLEGE

ADMISSIONS ACADEMICS CAREER STUDENTS CAMPUS ABOUT

Meta Majors

- Meta Majors
- Meta Majors Counselors
- Catalog
- WebSmart / Registration
- All Degrees / Certificates

Meta Majors

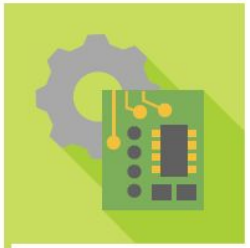
Meta Majors are an easy way to search for and find the major that's right for you! The degrees and certificates within a Meta Major share courses to help you to complete on time. **About**

Arts, Languages & Communication

Business, Entrepreneurship & Management

Science, Technology & Health

Society & Education



Applied Technology

Business and Innovation

Earth and Environment

Education

Language and Literature

People, Culture and Society

Public Safety, Health and Wellness

Science, Technology, Engineering and Math

Visual and Performing Arts

SIERRA COLLEGE

Cabrillo Career and Academic Pathways -Metamajors

Creative Arts & Design

Art History
Art Photography
Art Studio
Dance
Digital Media
Engineering Technology
Music
Music Technology & Recording Arts
Theater Arts

Science, Technology, Engineering & Mathematics

Astronomy
Biology
Chemistry
Computer Networking & System Administration
Computer Science
Engineering
Engineering Technology
Environmental Science
General Science
Geography (Physical)/Meteorology
Geology
Horticulture/Agricultural Plant Sciences
Math
Oceanography
Physics

Health and Public Service

Criminal Justice
Dental Hygiene
Fire Technology/Emergency Medical Technician
Health Science
Kinesiology
Medical Assisting
Nursing
Radiologic Technology

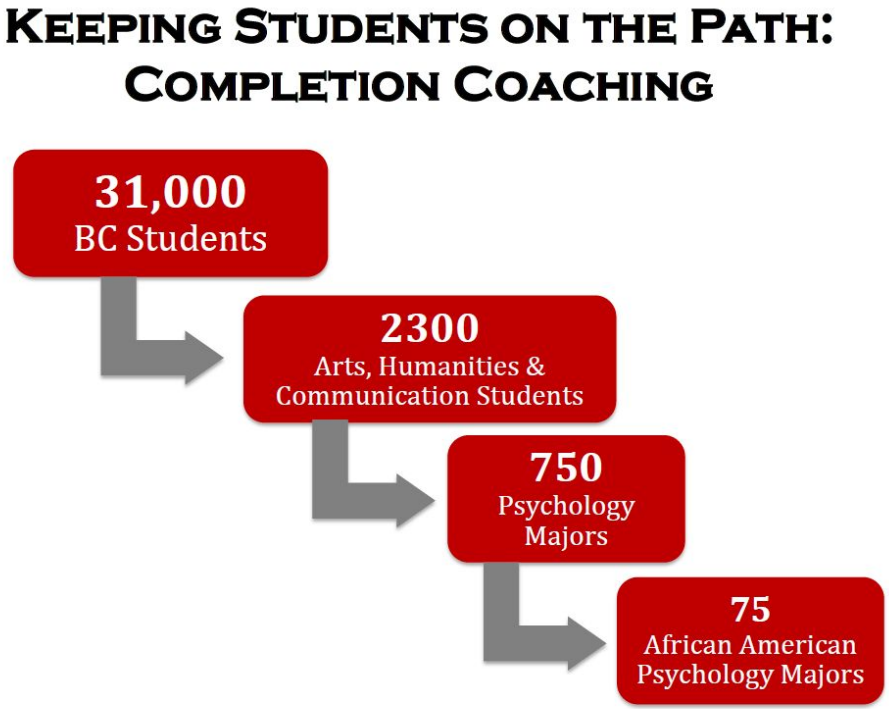
Entrepreneurship & Business

Accounting/Finance
Business
Computer Applications & Business Technology
Computer Support
Construction & Energy Management
Culinary Arts & Hospitality Management
Digital Media
Economics
Horticulture
Music Technology & Recording Arts
Welding

Global & Human Studies

Anthropology
Art History
Bilingual & Bicultural Studies
Communication Studies
Criminal Justice
Early Childhood Education
Economics
Elementary Teacher Education
English
Geography – Cultural
History
Human Services
Journalism
Latin American Studies
Philosophy
Political Science
Psychology
Sociology
Women's Studies
World Languages

Meta Major Data and Better Support



% STEM Students Passed ENGL & MATH

Factors

Courses Avail

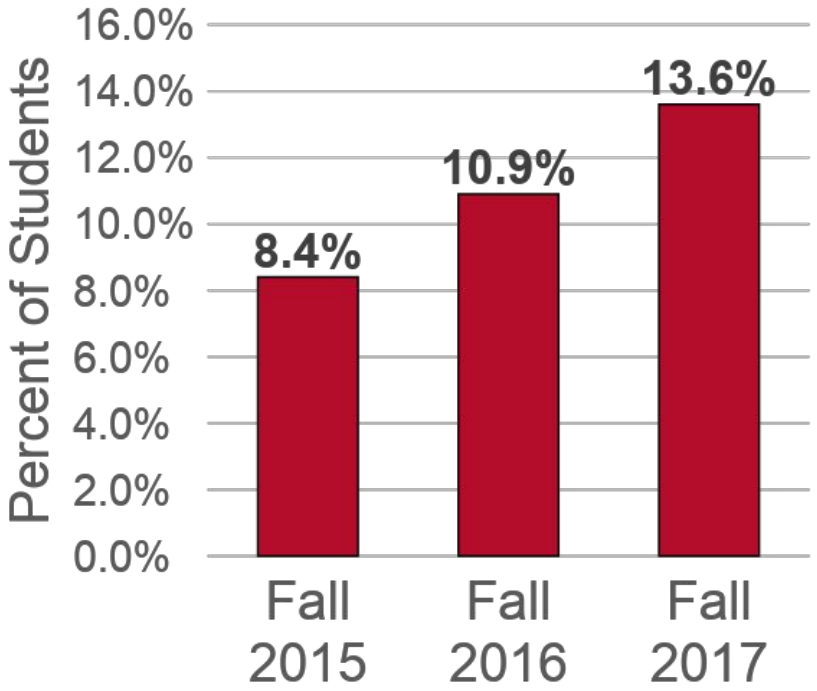
Placement

Counseling

To Do…

Detail Reg Data

Communication Plan



Bakersfield College Meta-Majors

Arts, Humanities, & Communication
[2463 overall; FTIC 477]

Business [2583 overall; FTIC 447]

Education [1750 overall; FTIC 359]

Health Sciences [4450 overall; FTIC 981]

Industrial & Transportation Technology
[1157 overall; FTIC 317]

Public Safety [1222 overall; FTIC 176]

Social & Behavioral Sciences
[3,798 overall; FTIC 835]

STEM [2450 overall; FTIC 527]

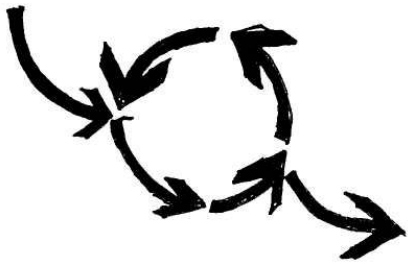
Personal & Career Exploration
[1637 overall; FTIC 290]

Completion Coaching Communities

How? Leap into action with MM's?

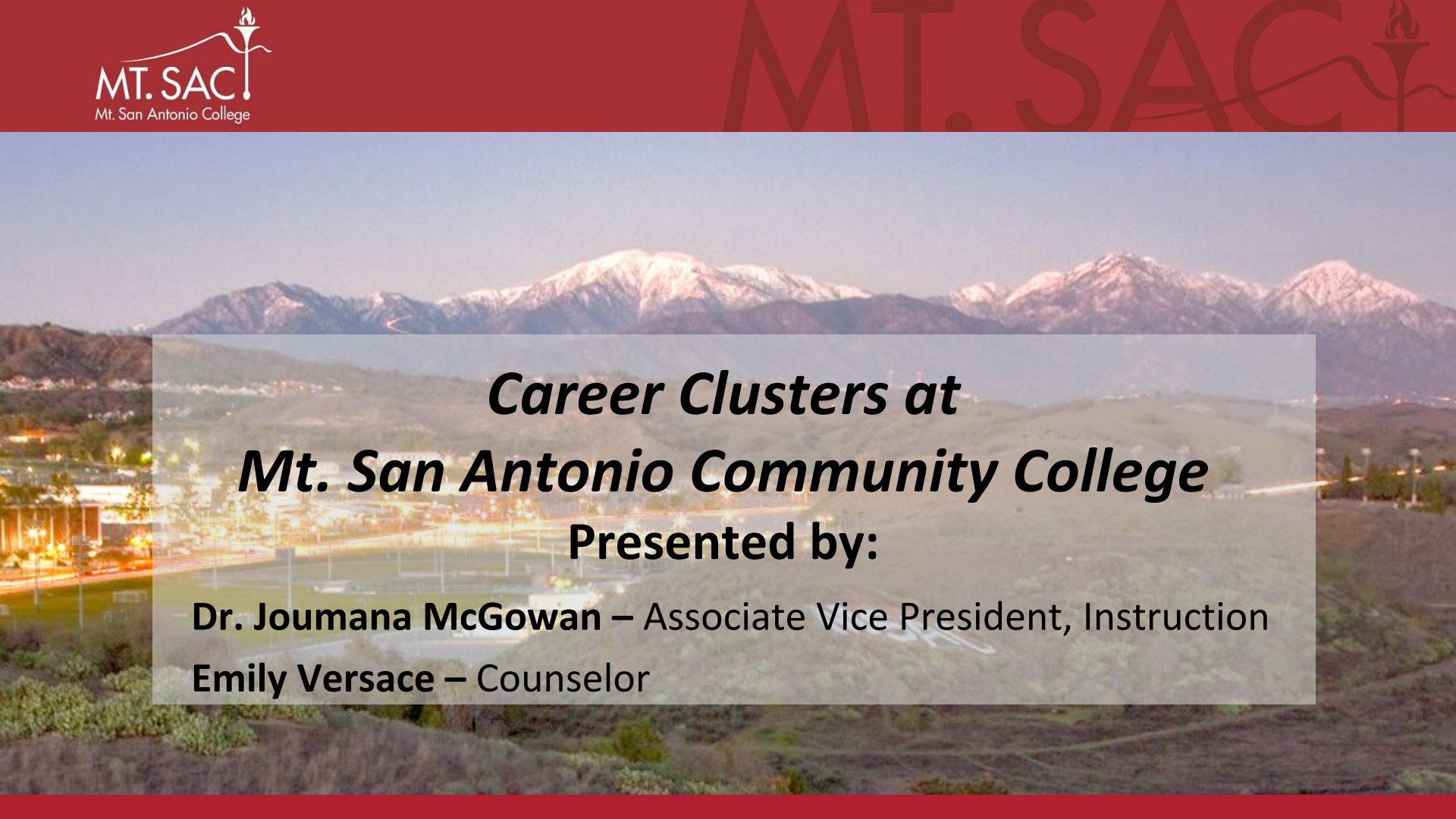
Consider:

- Potential reorganization
  - How "deep" will your implementation be?
- Guidelines
  1. Inclusiveness
  2. Flexibility
  3. Iterative nature
  4. Managing
  5. Messaging/communicating



Designing Meta-Majors

- Where will the college begin? With what end in mind?
- How do/can MM's clarify pathways, change on-boarding, and enhance support and learning?
- What kind of collaboration is needed?
- How will meta-majors be integrated into the college?
- How will meta-majors be managed?
- How will meta-majors be communicated to faculty, students, and the community?



Career Clusters at Mt. San Antonio Community College

Presented by:

Dr. Joumana McGowan – Associate Vice President, Instruction

Emily Versace – Counselor

Agenda

- History
- Meta-Majors Implementation
- Career Activity

What is "Guided Pathways?"

- Making college ready for students rather than making students ready for college
- Mt. SAC GPS: Guided Pathways to Success

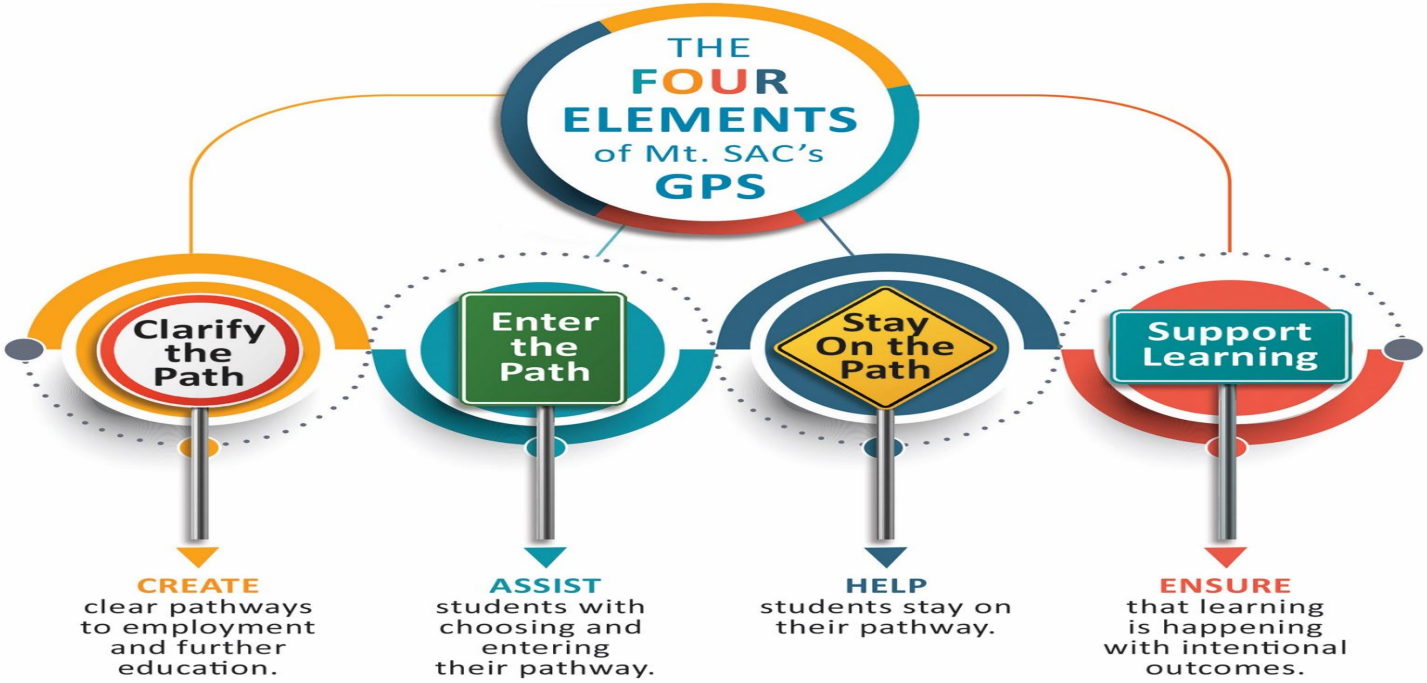
Building Capacity for Guided Pathways (GPS)

Early Guided Pathways Adopters

AACC Pathways Project

California Guided Pathways Project

Guided Pathways at Mt.SAC



GPS at Mt. SAC

Spreading the Word: Local Workshops

1. *Academic & Student Services Spring Master Planning Summit,* May 13, 2016
2. *Summer Pathways Institute*, August 22-23, 2016
3. *Fall Pathways Institute*, October 21, 2016
4. *Contextualized Learning Discussion* December 2, 2016
5. *Accurate Placement & Equity*, May 12, 2017
6. *Fall 2017 Pathways Summit*, October 20, 2017
7. *Spring 2018 Pathways Summit*, March 23, 2018
8. *Fall 2018 Multiple Measures and Guided Pathways,* November 16, 2018

GPS at Mt. SAC

Activity Part 1: Card Sort

- Take the stack of majors
- Sort them into 8 piles based on what goes together
- Use a sticky note to give each pile a name

Activity Part 2: Synthesizing Information

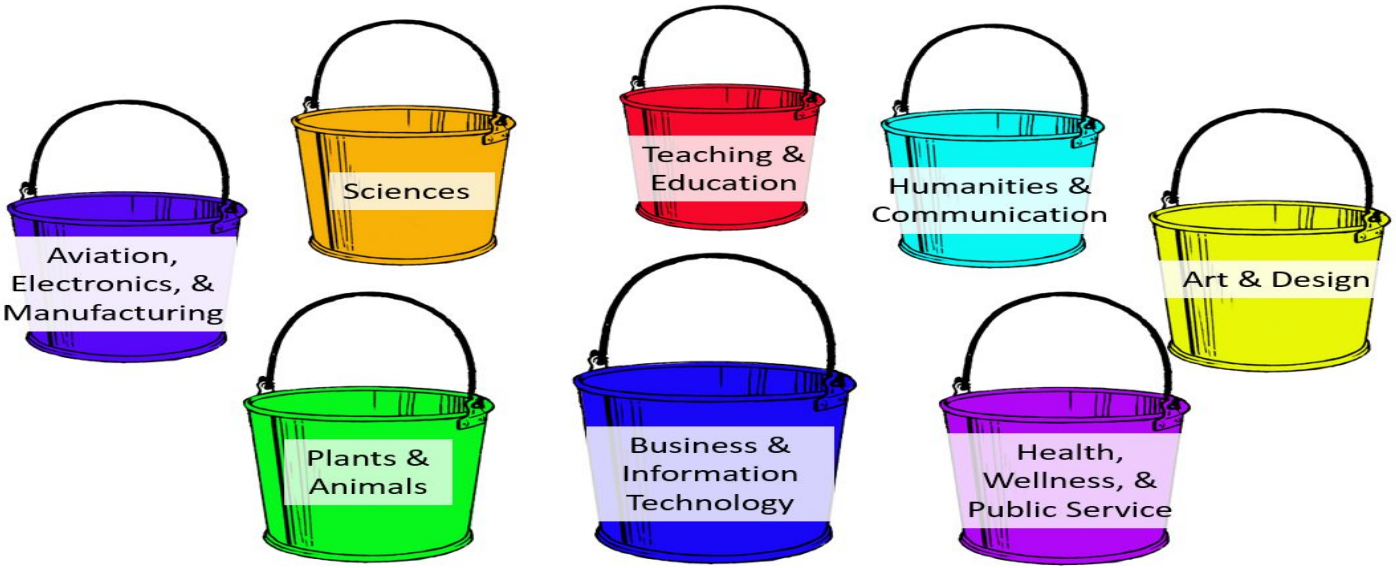
- Copy the name of each pile in big letters on a piece of paper
- Hold a paper and stand up
- Find other people in the room with a similar title on their paper
- Make a circle around the room

From a Student's Lens: Sort Programs Into 8 Buckets

- 600+ new students participating in summer programs
- Students grouped into teams of six
- Instructions: Sort these 200 Mt SAC programs into 8 groups and give each group a name
- Students did ask for clarification on majors. For example, *"What is Histology?" "What is the difference between Pet Science and Registered Veterinary Technician?"*

Academic & Student Services Spring Master Planning Summit

Identifying Career Clusters



Learning Opportunities

- Contextualized learning
- AB705 implementation
- Challenges to modifying originally adopted meta-majors "buckets"
- It is important to note that changing clusters happens and is an ongoing-collaboration

2016-17 Basic Skills Contextualization

- English, Math, and Learning Assistance Faculty: Started contextualizing Basic Skills courses with focus on each Career Cluster
- Fall 2017: Contextualized sections of ENGL 68 and MATH 51 were offered across the 8 career clusters
- Students enrolled in the courses but were not necessarily majoring in that career cluster

Career Clusters Revisited

- What makes sense for student advising by counselors?
- What makes sense with career theory?
- Incorporating the Holland Code: RIASEC
- Adding a bucket

There is no perfect way to sort:

Added:
Public Services and Social Science

Changed:
Sciences to STEM

MT. SAC
Mt. San Antonio College

CAREER CLUSTERS

Old Order:

- Arts & Design
- Aviation, Electronics, & Manufacturing
- Business & Information Technology
- Health, Wellness, & Public Service
- Humanities & Communication
- Plants & Animals
- Sciences
- Teaching & Education

New Order:

- Aviation, Electronics, & Manufacturing
- Plants & Animals
- Science Technology Engineering & Math (STEM)
- Arts & Design
- Humanities & Communication
- Health, & Wellness
- Public Service & Social Science
- Teaching & Education
- Business & Information Technology

Aviation, Electronics, & Manufacturing (R)

Air Conditioning and Refrigeration
Aircraft Maintenance Technology
Aviation Science
Building Automation
Commercial Flight
Construction Inspection
Electronics (Communications, Industrial Systems, Technology)
Manufacturing Technology
Welding

Plants & Animals (R)

Agri-Technology
Horse Ranch Management
Integrated Pest Management
Landscape
Livestock Management
Nursery Management
Ornamental Horticulture
Park & Sports Turf Management
Park Management
Pet Science
Public Works/Landscape Management
Registered Veterinary Technology
Sports Turf Management
Tree Care and Maintenance

~~Sciences~~

Science Technology Engineering and Math (STEM) (I)

Astronomy
Biology
Chemistry
Computer Science
Geography
Earth Sciences
Engineering
Mathematics
Physics

Arts & Design (A)

Animation (General, 3D, Gaming, Tradigital, Interactive Multimedia)
Architecture (Design, Technology)
Art History
Culinary Arts
Dance
Fashion (Design & Technology, Merchandising)
Fine Arts
Graphic Design
Industrial Design Engineering
Interior Design (Kitchen & Bath, Landscaping)
Music
Photography (General, Digital Technician)
Studio Arts
Theater Arts
Web Design

Humanities & Communication (A)

Communication Studies
English
Film
History
Humanities
Journalism
Language Arts
~~Political Science~~
~~Psychology~~
Radio Broadcasting
Sign Language/Interpreting
~~Social & Behavioral Sciences~~
Television

~~Health, Wellness, & Public Service~~ Health & Wellness (S)

~~Administration of Justice~~
Alcohol/Drug Counseling
Applied Laboratory Science Tech (ALST)
Emergency Medical Services/Emergency Medical Technician - Paramedic
Fire Technology
Histologic Technician Training
Kinesiology and Wellness
~~Law Enforcement~~
Mental Health Tech – Psychiatric Tech
Nursing
Nutrition
~~Paralegal/Legal Assistant~~
Public Health
Physical Education
Psychiatric Technician to RN
Radiologic Technology
Respiratory Therapy

Public Service and Social Science (S)

Administration of Justice
Fire Technology
Sociology
Paralegal
Psychology
Social and Behavioral Science
Political Science
History
Geology
Economics
Emergency Medical Services

Teaching & Education (S)

Child Development
Children's Program Certificates
Early Childhood Education
Educational Paraprofessional
Infant/Toddler Development
School Age Children Specialization

Business & Information Technology (E&C)

Accounting
Administrative Assistant
Business (International, General, Management, Retail)
Computers (Database, Networking, Programming, Security, Systems Management, Technology)
Consumer Relations
Culinary Arts
Hospitality and Restaurant Management
Human Resource Management
Information Technology
Marketing Management
Paralegal/Legal Assistant Real Estate

Activity: Pathways Cluster Card Sort

1. Explore majors at Mt. SAC with Career Cluster Cards
2. Choose your top three cards and write down any majors you are interested in

Top 3 Clusters	1) Aviation, Electronics + Manufactg	2) Plants + Animals	3) Arts + Design
Majors I like: Includes as many or few as you like. You do not need to fill all the boxes.	Electronics	Animal Sciences	Graphic Design
	Industrial Design Eng		

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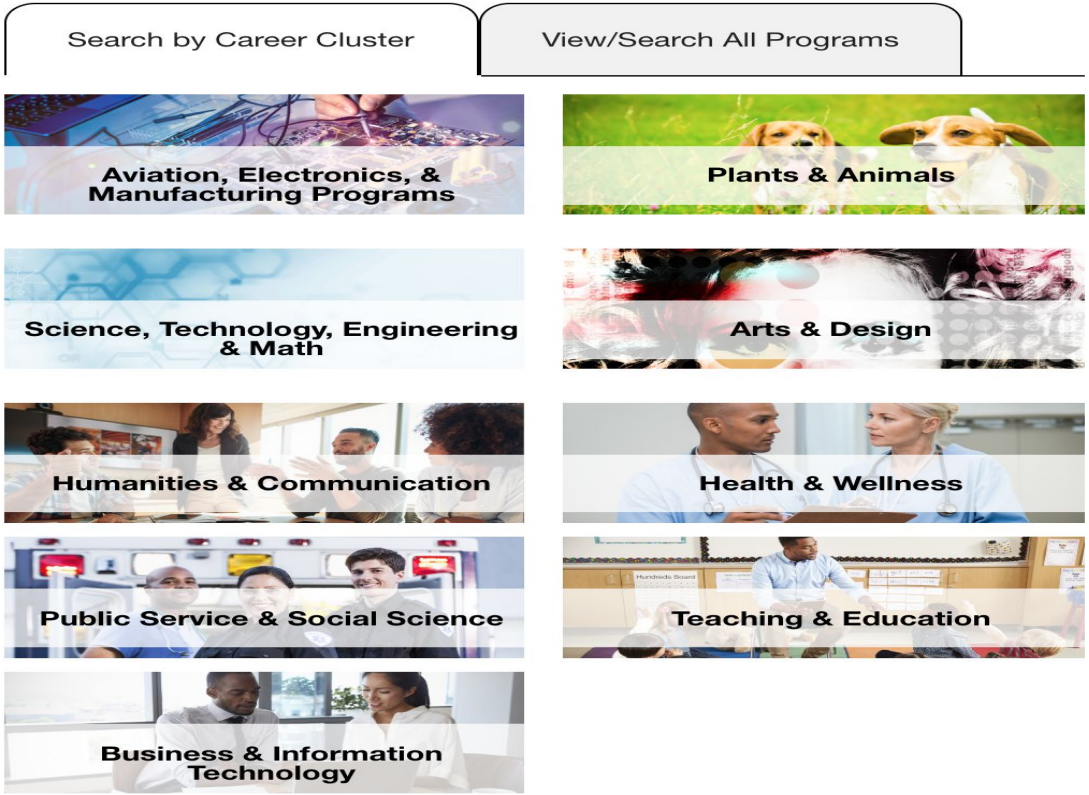
Mt. San Antonio College

Guided Pathways Website



MT. SAC
Mt. San Antonio College

Aviation, Electronics, & Manufacturing Programs

Choose a program from the list of tabs below

Aeronautics | Air Conditioning & Refrigeration | Aircraft Maintenance Technology | Aviation Science

Building Automation | Electronics | Engineering & Construction Technology | Equipment Technology

Industrial Design Engineering | Manufacturing Technology | MasterCAM | Welding

Programs in Aeronautics:

- Commercial Flight, AS S0912

MT. SAC
Mt. San Antonio College

GUIDED PATHWAYS TO SUCCESS

Looking for guidance? A counselor can help.

This Guided Pathways for Success (GPS) is a suggested sequence of coursework needed for program completion. It is not an official educational plan. Schedule an appointment with a counselor or advisor as soon as possible to create an individualized Mountie Academic Plan (MAP) specific to your goals and needs.

Print out a MAP of this program
Email This Link to A Friend

Suggested Sequence of Coursework

Fall Semester 1

Course Prefix	Title	Units
AERO 102	Aviation Weather	3.0
METO 3	Weather-Atmospher Environ	3.0
AERO 100	Primary Pilot Ground Sch	4.0
AERO 104	Federal Aviation Regs	2.0
Total:		**12.0**

MT. SAC
Mt. San Antonio College

Catalog Sorted by Clusters

- Degrees & Programs
- Academic Focus
- Adult and Continuing Education
- Program Clusters
  - [ ] Arts & Design
  - [x] Aviation, Electronics, & Manufacturing
  - [ ] Business & Information Technology
  - [ ] Health & Wellness
  - [ ] Humanities & Communication
  - [ ] Plants & Animals
  - [ ] Public Service & Social Science
  - [ ] Teaching & Education
  - [ ] Science Technology Engineering & Math (STEM)

Select the search filter categories on the left to help navigate your career options at Mt. SAC.

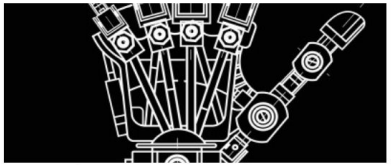
Aeronautics


Air Conditioning & Refrigera...


Aircraft Maintenance Technol...


Aviation Science


Building Automation


CAD Technician

Questions?

Contact Information:

- **Dr. Joumana McGowan** - (909) 274-5140 jmcgowan@mtsac.edu
- **Emily Versace** -(909) 274-6487 eversace@mtsac.edu

BREAK

11:25 - 11:35

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for California Community Colleges

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Program Mapping and "Meta-Majors": Exploring the Issues

What are the intended outcomes?

Outcome #1 Participate in a risk free analysis of college scenarios

Outcome #2 Using the worksheet, identify key needs for your college and plan discussions

Let’s give it a try! Scenarios!

Meta-Major Considerations

- Begins with the “end in mind”
- Clarity (GE, Basic Skills, CTE)
- Collaboration
- Integration
- Manageability
- Messaging

Considerations for Guidelines while Constructing Meta-Majors

Academic Senate for California Community Colleges

Considerations for Guidelines while Constructing Meta-majors

This document is a collection of various considerations colleges have used to guide their construction of meta-majors. No college has used all of these, but rather a combination that suited their ability to move forward consistent with their college mission, vision, and values, while providing assurances of iterative review and data analysis in implementing a guided pathways transformation. Initial steps in implementation often consist of research into other colleges' construction of meta-majors, including the number, type and purpose. Then, it is helpful to determine what you hope meta-majors will do for your college and your students. Consider and respond to the following questions to create guidelines for the process of defining meta-majors at your college.

	Questions/ Considerations for developing Meta-major Guidelines	Examples of how this may affect implementation & decision making	1. Is this question relevant for your college? 2. Who should attend these discussions? 3. Who makes the final decision?
Beginning with the end in mind	• How will the organizers begin with the end in mind, focus on career goals, and group majors based on the end result?	Transfer may be the end of a pathway, but for many students, employment is the target. Will transfer requirements and post-baccalaureate employment influence meta-major groupings?	
	• How will student voice be integrated into the planning?	The current structure of departments and divisions is unclear to students. Meta-majors must be clearly designed and described so students and institutions can unambiguously describe the pathways and groupings.	
	• Will meta-major organization include minimizing time to completion?	Guided pathways should reduce time to completion but this intersects with many areas e.g. scheduling & programs	
	• Will meta-majors provide opportunity for exploration?	What will happen to students who do not have a major or goal yet?	
	• Will meta-major organization maximize transfer and employment connections? If so, how?	How will increasing completion and employment influence re-organization? Will technical courses provide short- term employment and transfer options?	

% STEM Students Passed ENGL & MATH

Factors

Courses Avail

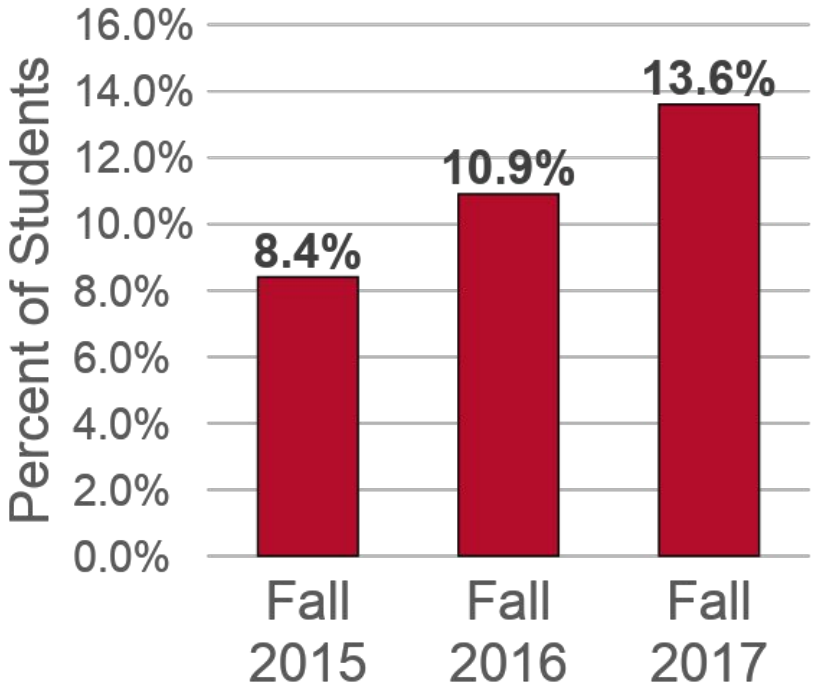
Placement

Counseling

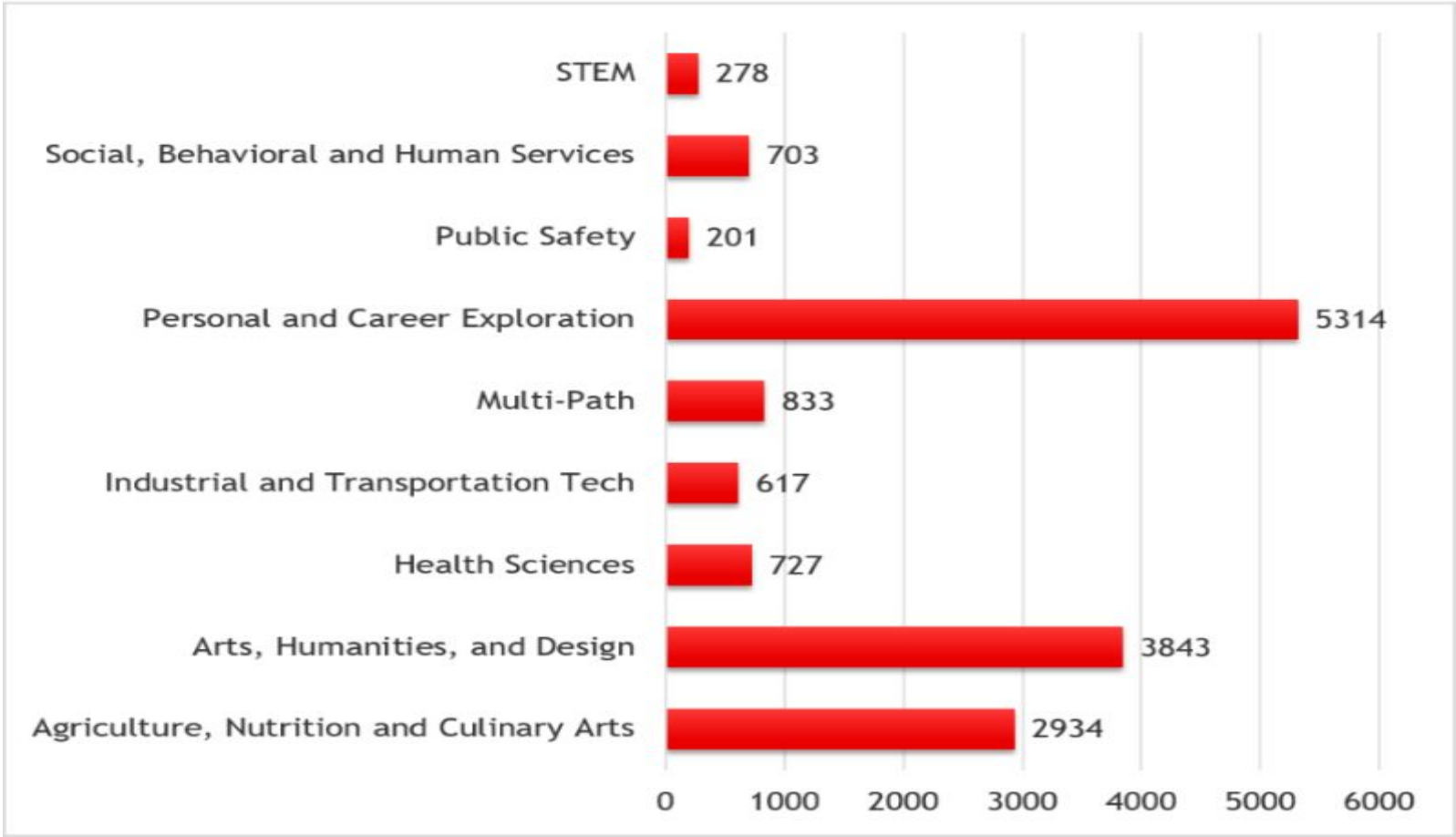
To Do…

Detail Reg Data

Communication Plan

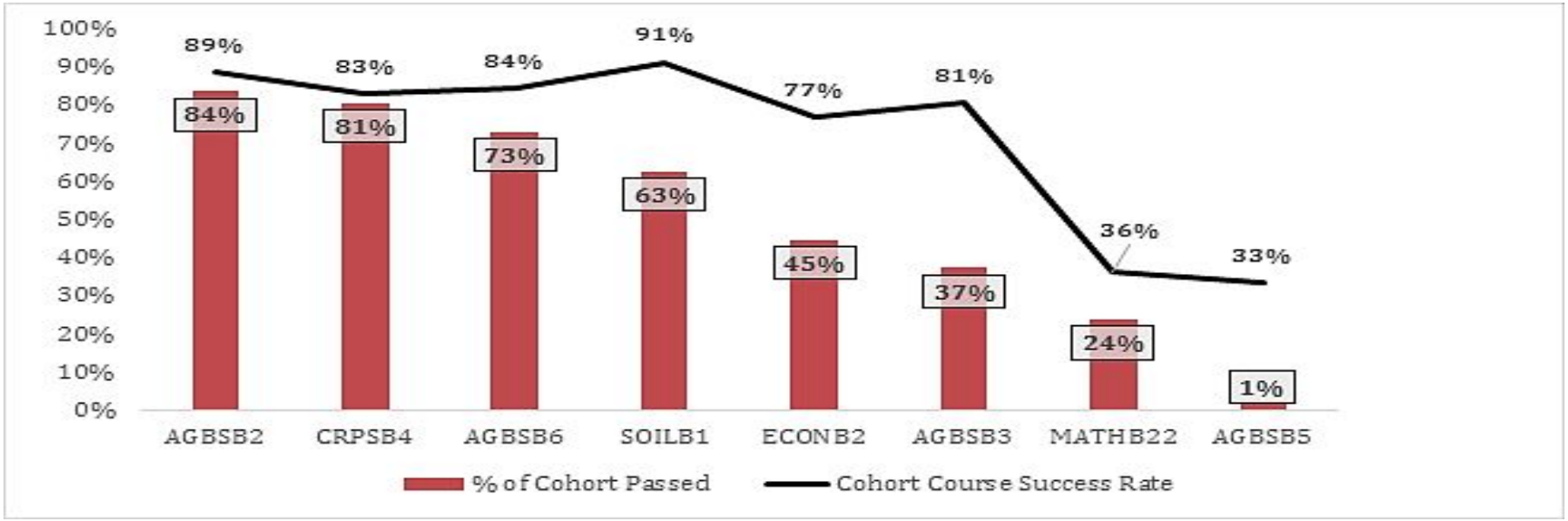


BC Dual Enrollment by Meta-Major



Examples of Data by Program Pathway

Figure 1. Percentage of cohort successfully completing specific courses required for Agriculture Business AS-T paired with the overall cohort success rate of that course.



GUIDELINES FOR PROGRAM MAPPING?

Considerations for Guidelines while Mapping Programs

Academic Senate for California Community Colleges

Considerations for Guidelines while Mapping Programs

This document is a collection of various considerations colleges have used to guide their mapping of programs. No college has used all of these, but rather a combination that suited their ability to move forward consistent with their college mission, vision, and values, while providing assurances of iterative review and data analysis in implementing a guided pathways transformation. It is helpful to determine what you hope program maps will do for your college and your students. Consider and respond to the following questions to create guidelines for the process of mapping programs at your college.

Questions/ Considerations for developing	Examples of how this may affect implementation & decision making	1. Is this question relevant for your college? 2. Who should attend these discussions? 3. Who makes the final decision?
• Will general education be considered while mapping programs?	60-75% of any program may be general education courses. Are the courses selected or completely open with no advice or identified with regards to beneficial GE for employment or transfer within fields or a combination of recommended but not required?	
• What is the cycle or calendar to assure programs are reviewed and iterative?	Colleges that complete regular and substantive program review create more sustainable change and improvement.	
• What is the process if questions of program or course cancellation arise? Is their agreement to review all courses and programs using current shared governance structures and policies? Will there be no loss of programs without a program discontinuance review & no loss of courses without a Curriculum Committee review?	Existing program review and curriculum processes should be used, no ad hoc or temporary decisions should overtake these processes since it is not a sustainable practice. Use policies, standards, and participants currently key to your governance process to build sustainability and to communicate college-wide.	

Sample Meta-majors

- Cosumnes River College - https://www.crc.losrios.edu/areas
- Mt. San Antonio College (Program Clusters) -http://catalog.mtsac.edu/programs/explore-your-future/
- Pasadena CC (Meta Majors: Career Communities) - https://pasadena.edu/explore-your-career/index.php
- San Diego Miramar (Schools) - https://www.sdmiramar.edu/programs
- San Joaquin Delta - https://www.deltacollege.edu/explore
- West Hills Lemoore - https://www.westhillscollege.com/lemoore/
- Citrus College - http://www.citruscollege.edu/guidedpathways/Pages/CAPs.aspx
-

Additional Resources

Meta-Majors: An Essential First Step on the Path to College Completion (JFF)

http://www.jff.org/publications/meta-majors-essential-first-step-path-college-completion

How meta-majors guide students toward on-time graduation (EAB)

https://www.eab.com/daily-briefing/2016/07/26/how-meta-majors-guide-students-toward-on-time-graduation

A Quick Guide to Metamajors and Links at a Variety of Colleges

https://asccc.org/file/quick-guide-metamajors-and-links-variety-collegesdocx

Guidelines or Principles for Developing Metamajors final redesigned handout

https://asccc.org/file/guidelines-or-principles-developing-metamajors-final-redesigned-handoutdocx-1

Guidelines or Principles for Developing Program Maps

https://asccc.org/guided-pa

Reflect and Debrief

All

11:55am - 12:00pm

California Community Colleges

Headlines & Hashtags

Thinking back over the whole session…

Write a headline or create a hashtag that synthesizes your thoughts and feelings on the information/activities that resonated with you most today.

Lunch (Main Room)

12:00 – 1:00 PM