

# Where Like Minds Gather: Building Meta Majors



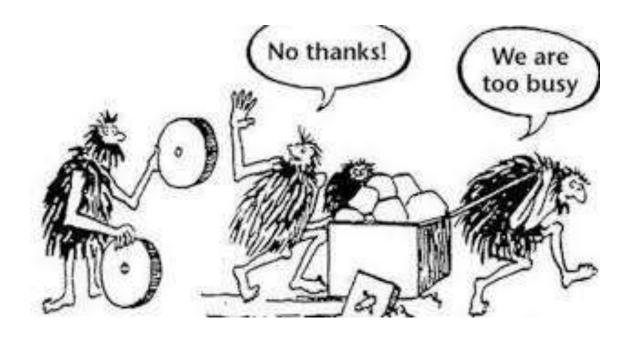
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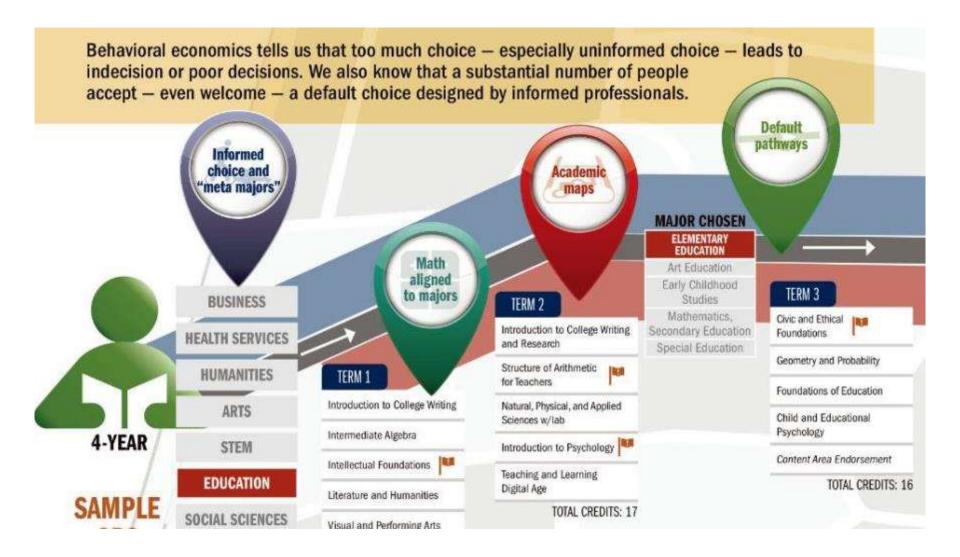
Thais Winsome, ASCCC Curriculum Committee, Mission College

## Overview

- What are Meta Majors?
- Developing Meta Majors
- Examples
- Digging in...
- Discussion...



# Meta Majors with Program Mapping



## What are Meta Majors?

### **Definitions...**

- **Meta Majors** are collections of academic majors that have related courses.
- **Meta Majors** cluster groups of degrees and certificates that are considered similar from a student's perspective.
- **Meta Majors** give incoming students an opportunity for early exploration within a cluster of academic and career choices while still making progress to graduation.
- More...

# What are Meta Majors?

### Other Titles for the Meta Major concept...

- Focus Area
- Cluster
- Major Pathways
- Clustering Majors
- Career and Academic Pathways
- Interest Areas
- Career Clusters
- Program Clusters
- Others???



# City Colleges of Chicago

**EXPLORE BY:** 

**FOCUS AREA** 



#### Student Guided Pathways to Success

A degree or certificate from City Colleges of Chicago can put you on the path to a rewarding career either right after graduation, or after successfully transferring to a four-year institution. Use our GPS navigation tool below to explore the options open to you at CCC.

## Explore by **Focus Area**

Our degrees and certificates largely fall within one of our ten focus areas. Click on a focus area to learn more.



ADVANCED MANUFACTURING



BUSINESS & PROFESSIONAL SERVICES



CONSTRUCTION



CULINARY ARTS & HOSPITALITY



**EDUCATION** 



HEALTHCARE



INFORMATION TECHNOLOGY



**HUMAN SCIENCES** 



NATURAL SCIENCES



#### HEALTH SCIENCE

- LVN
- Exercise & Sports Sciences
- Physical Therapist
   Assistant
- Radiologic
   Technology
- Sports Medicine
- Surgical Tech

#### ARTS & HUMANITIES

- **HEZALI**
- Englist
- Music
- Photography
  - Spanish
- Social Sciences
  - Theat

## PUBLIC & CONSUMER SERVICE

- Child Development
- Criminal Justice
  - Education
- + Physical &

**Health Education** 

- Psychology
- Sociology
- Substance Abuse Counseling
- Cosmetology
- Culinary Arts
- Fire/EMS

# 0

MetaMajors

## BUSINESS & INDUSTRY

- Agriculture
- Business Professions
- Mass Communications
  - Welding
  - Office Systems
    - Technology
  - Automotive &
  - **Diesel Technology**
- Paralegal Studies
  - Machining
    - + OSET

SCIENCE, TECHNOLOGY, ENGINEERING & MATH

Biology - Chemistry - Computer Information Science
 Energy Technology - Engineering - Geology
 Mathematics - Physics



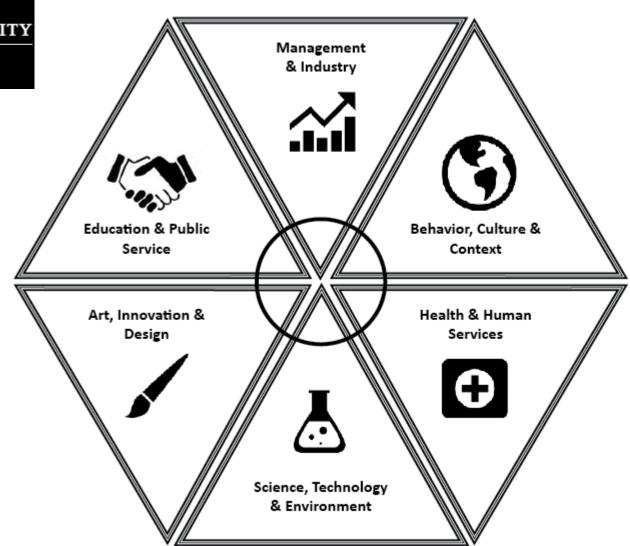


### The Ohio State University

If you are wondering how you will narrow 200 majors into one, narrowing your options down into one or two meta-majors is a good place to start.

In Exploration, we concentrate on six broad areas where majors share similarities.

It is also important to note that no one college or school contains all the majors at Ohio State that are in a particular field of study.



## Cabrillo College's Career and Academic Pathways (CAP)

#### Creative Arts & Design

Art History Art Photography Art Studio Dance Digital Media

Engineering Technology

Music

Music Technology & Recording Arts

Theatre Arts



#### Health and Public Service

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



#### 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

#### Science, Technology, Engineering & Mathematics









Technology Engineering Mathematics

Astronomy

Biology Chemistry

Computer Networking & System Administration

Computer Science

Computer Support

Engineering

Engineering Technology

Environmental Science

General Science

Geography (Physical)/Meteorology

Geology

Horticulture/Agricultural Plant Sciences

Math

Oceanography

Physics



#### Entrepreneurship & Business

Accounting/Finance

Business

Computer Applications & Business Technology

Construction & Energy Management

Radiologie Technology

Culinary Arts & Hospitality Management

Digital Media

Economics

Horticulture

Music Technology & Recording Arts

Welding

# Common Elements of Meta Majors and Program Mapping:

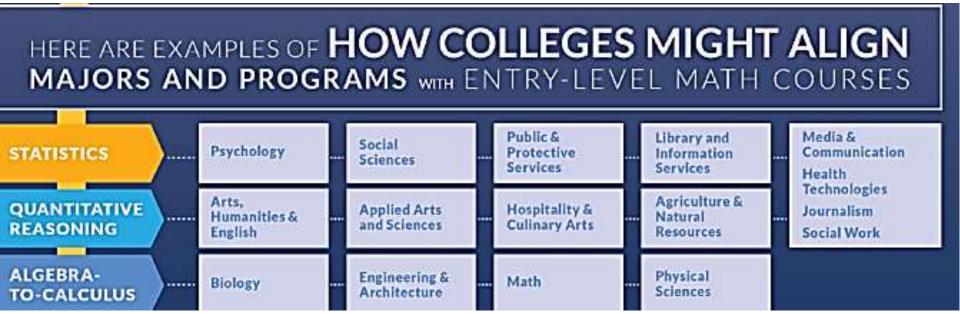
- Each Meta Major is clearly mapped to programs and careers.
- Math/quantitative reasoning course is aligned with programs within the Meta Majors.
- General Education (GE) core courses are mapped with Meta Majors (some or more prescriptive, others are not, some are mixed depending upon the outcomes).
- Connections with GE courses and Meta Majors and majors are made clear.
- Sometimes electives are aligned with Meta Majors.
- Advising and student services are aligned with the student's Meta Major.
- Meta Majors may be aligned with local labor market demand.

# The Dana Center Mathematics Pathways seeks to ensure that ALL students in higher education will be:

- Prepared to use mathematical and quantitative reasoning skills in their careers and personal lives;
- Enabled to make timely progress towards completion of a certificate or degree; and
- Empowered as mathematical learners.

#### **Emerging Texas Math Pathways Meta-Major** Math Pathway Quantitative Reasoning Liberal Arts, Fine Arts. Non-Algebraically-Intensive Math Pathway-Math 1332 and Humanities **Contemporary Math** Social Sciences and Social Services Statistical Reasoning Pathway-Math 1342 **Elementary Statistical** Methods Nursing and **Health Professions Business Pathway-Business** and Math 1324 Accounting Mathematics for Algebraically-Infensive Business Teacher Pathway-Teaching Math 1350 and Education Fundamentals of Math I (Math 1314 is a prerequisite) STEM Pathway-Math 2413 Calculus I Science, Technology, (with Math 1314 College Engineering, and Math Algebra and 2312 Pre-Calculus if needed)

# Multiple Paths FORWARD: Diversifying Mathematics as a Strategy for College Success

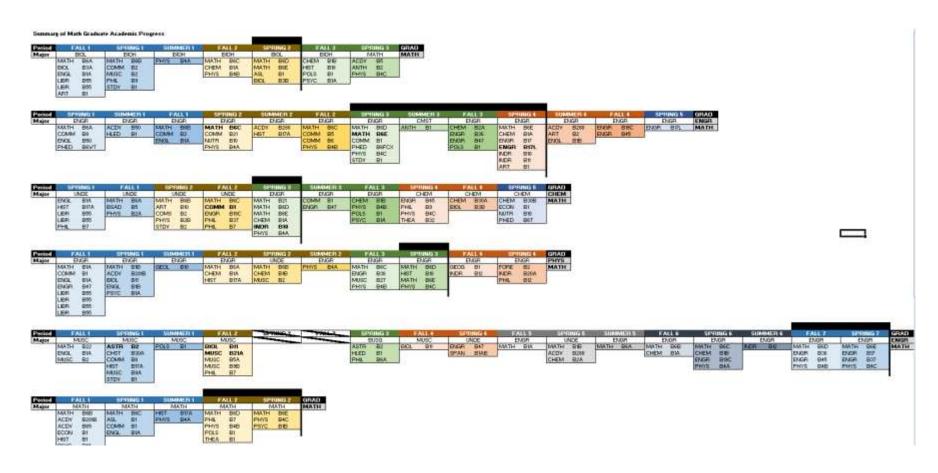


# Analysis to Support Creating Meta Majors and Program Mapping

- What is the full scope of programmatic offerings at the college?
- Do the college's programs align to the local labor market and/or university transfer partner?
- Which general education courses align best to each Meta Major?
- What are the common courses across all programs?
- What is the required core within this Meta Major that allows students to branch off into various majors without losing any credits?
- Which courses will introduce students to relevant faculty and career information early in their academic careers?
- Which courses might not be included, and who needs to be involved in that decision?

# Graduating in Math at Bakersfield College an unguided pathway research project

Sample Pathways with Program Mapping



# College of the Canyons-Program map for biology major transfer to UC



### Biological Sciences AS - Cell and Molecular Track

#### Program Description

Biological Sciences covers all aspects of the scientific study of life and emphasizes both the unity and diversity of living things. The structure, function, and behavior of organisms are studied at the molecular, cellular, organismal and environmental levels. The biology program serves three areas of: a broad background of studies for the biology major preparing for transfer to a four-year institution; support courses in human anatomy, human physiology, and general microbiology, which may be used to satisfy prerequisites for nursing programs and other allied-health fields; and courses in natural sciences to fulfill general education requirements. The Associate in Science Degree requires the completion of 32.0 units.

#### Student Learning Outcome

Interpret, analyze, and evaluate Biological knowledge using the scientific method.

Recommended Course Sequence

Fall Semester								
Co	urse	Title		GE Area				
١,	MATH 070	Intermediate Algebra	5.0	Pre-requisite / Language & Rationality				
Т	ENGL 101	English Composition	3.0	Language & Rationality / CSUGE				
4	CHEM 151	Preparatory General Chemistry	4.0	Major				
Ī	HIST 111 OR 112 OR HIST 120	US History I OR US History II OR The Role of Women in the History of the United States	3.0	American Institutions				

Course	Title	Units	GE Area	
BIOSCI 106	Organismal & Environmental Biology	4.0	Major / Natural Sciences	
CHEM 201	General Chemistry I	6.0	Major	
MATH 083	Geometry	5.0	Pre-requisite	
ENGL 103	Critical Reading, Writing and Thinking	3.0	Transfer Prep	

Fall Semester Course	Title	Units	GE Area
BIOSCI 107	Molecular and Cellular Biology	4.0	Major
CHEM 202	General Chemistry II	5.0	Major
MATH 102	Trigonometry	3.0	Pre-requisite:
COMS 105	Fundamentals of Public Speaking	3.0	Humanities
HLHSCI 100	Health Education	3.0	PE & Wellness

-	oring Semester	Title	Units	GE Area
	BIOSCI 180 OR 140 OR BIOSCI 130 OR BIOSCI 132	Biology of Cancer OR Principles of Human Genetics OR Contemporary Issues in Environmental Biology OR Concepts of Evolution	3.0	Elective
BIOSCI 240		Molecular Genetics	4.0	Major
T	MATH 104	Pre-Calculus	5.0	Pre-requisite / Major
1	DANCE 100 OR CINEMA 120 OR MUSIC 100 OR 105	Dance Appreciation OR Film Aesthetics OR Fundamentals of Music OR Music Appreciation	3.0	Humanities / CSU GE Area C-

## **Biology Prep for Transfer**

### Academic Program Plan for Full-Time Students

All Plans can be modified to fit the needs of part-time students by adding more semesters This is an example of a course sequence and does not represent a contract or a guarantee of course availability.

- This plan includes general education satisfying Plan C (IGETC) for CSU and UC.
- This plan assumes student placed into transfer level Math and English.
- This plan assumes student has completed two years of high school coursework in a language other than English with a C or better or has equivalent language skills.

	FALL	UNITS	SPRING	UNITS	SUMMER	UNITS				
1	ENG 100	4	ENGL 201 or 202	4	MATH 150					
+	BIO 110	4	MATH 131	4		- 5				
<f.< td=""><td>MATH 126</td><td>4</td><td>CHEM 110</td><td>5</td><td>Area 4: Social and Behavioral Sciences</td><td>3</td></f.<>	MATH 126	4	CHEM 110	5	Area 4: Social and Behavioral Sciences	3				
7	CHEM 108	4	BIO 202	4						
	Total Units Fall	16	Total Units Spring	17	Total Hole 5	8				
YEAR 3 YEAR 2 YEAR 1										
	FALL	UNITS	SPRING		Total Units for Year 1	41				
	MATH 155	4	MATH 260	UNITS	SUMMER	UNITS				
PV	CHEM 111		The state of the s	4	Area 3A: Arts	3				
	Area 4: Social and Behavioral Sciences	_ 5	CHEM 210	5	Area 3B: Humanities	3				
<u> </u>	BIO 204	3	PHYS 151	4						
		4	Area 4: Social and Behavioral Sciences	3						
	Total Units Fall	16	Total Units Spring	16	Total Units Summer	6				
	Total Units for Year 2									
	FALL	UNITS	SPRING	UNITS	SUMMER	38 UNITS				
m	MATH 265 OR 270	4	MATH 265 OR 270	4		Oitilla				
8	PHYS 152	4	PHYS 253	4						
X	CHEM 211	5	Area 3A: Arts or 3B: Humanities	3-4		_				
	Area 3A: Arts or 3B: Humanities	3	Area 1C: Oral Communication	3						
	Total Units Fall	16	Total Units Spring	14-15	Total Units Summer	_				
					Total Units for Year 3	30-31				
	1.06				Total Units on F					

Note: All CSU campuses have a graduation requirement of History, Constitution and American Ideals. Students may be certified as completing this requirement by completing one course from Group I and one course from Group II; or by completing the course in Group III.

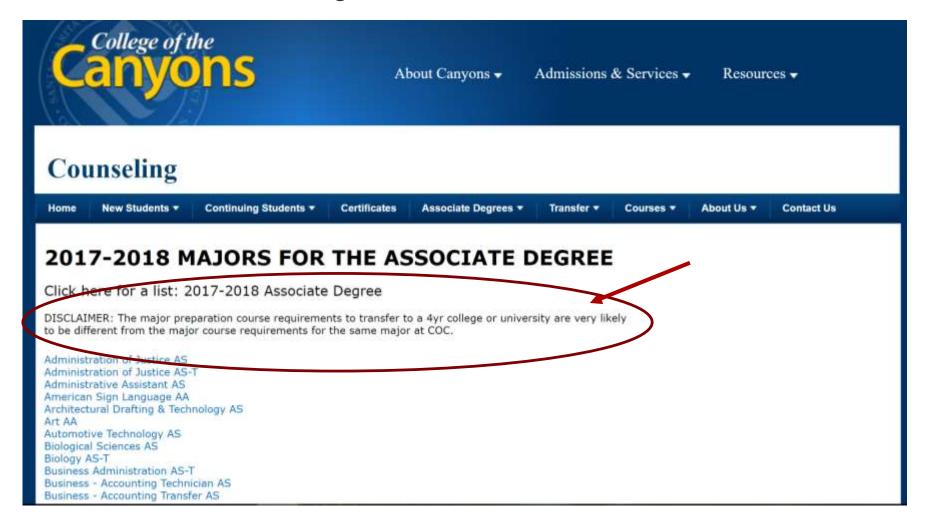
Group I (select one): HIST 110, 116, 141, or 145 And Group II (select one): HIST 111,117,142, 146, or 165 Or Group III: PLSC 102

# Developing Meta Majors

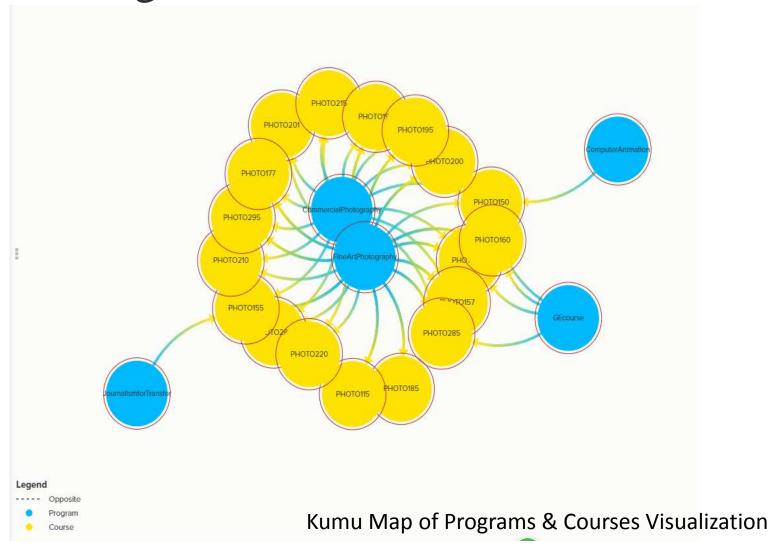
- Effective practices ("reverse engineering" from program outcomes)
- Curricular considerations (overlap)
- Facilitating the conversation between faculty from different disciplines and services
- Student voice!

What about program mapping—which should be done first?

# Observation: List of Majors with a *Disclaimer*



# Programs that Require Photography Courses for Degree, Certificate, and/or Transfer

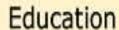


## Student Course Taking Behavior

Program Name	Students Completing at Least 1 Photography Course (N)	% of students who completed at least 1 photography course
Filmaking (N = 14)	6	42.86%
Graphic and Multi Media Design (N = 26)	11	42.31%
Art (N=34)	11	32.35%
Administrative Assistant (N = 13)	4	30.77%
Computer Applications (N = 14)	4	28.57%
Computer Networking (N = 12)	3	25.00%
Physical Education & Kinesiology (N = 35)	7	20.00%
Interior Design (N = 16)	3	18.75%
Fire Technology Pre-Service (N = 47)	8	17.02%
American Sign Language (N=18)	3	16.67%

Programs with the Greatest Percentage of its Students
Successfully Completing Photography Courses who are **not** Fine
Art Photography program completers

# Meta Majors





Social and Behavioral Sciences and Human Services



Industry/Manufacturing and Construction



Health Sciences



**Public Safety** 



**Business** 



Science, Technology, Engineering and Math

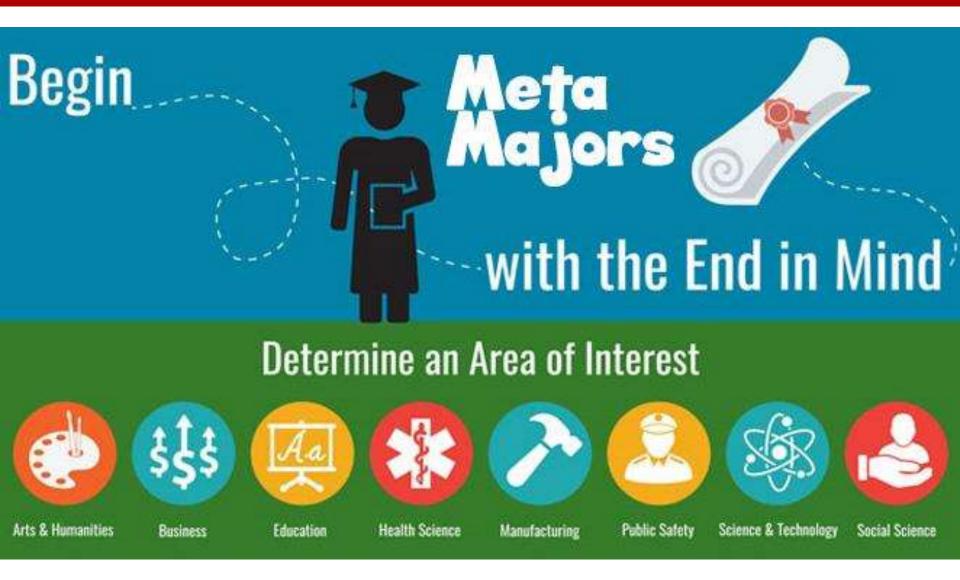


Arts, Humanities, Communication, and Design



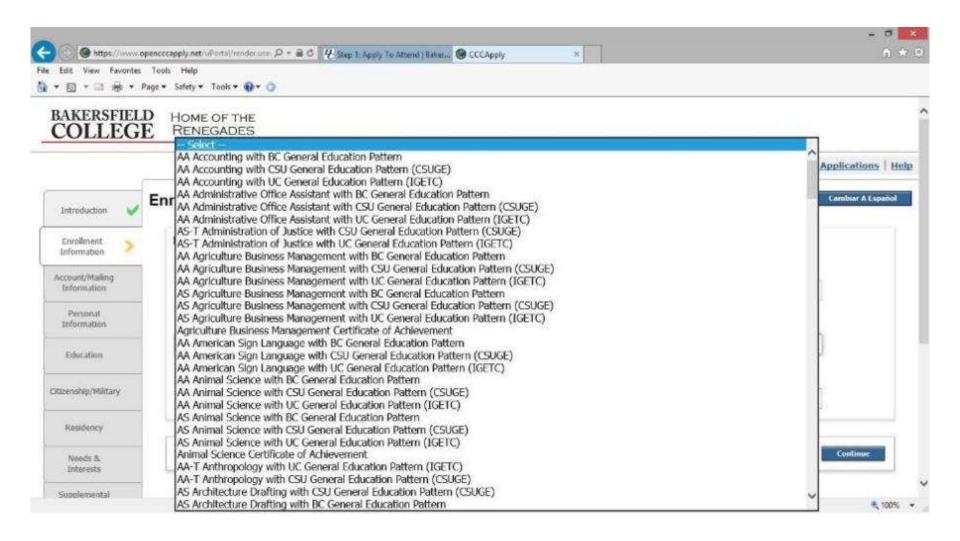
# Florida College System



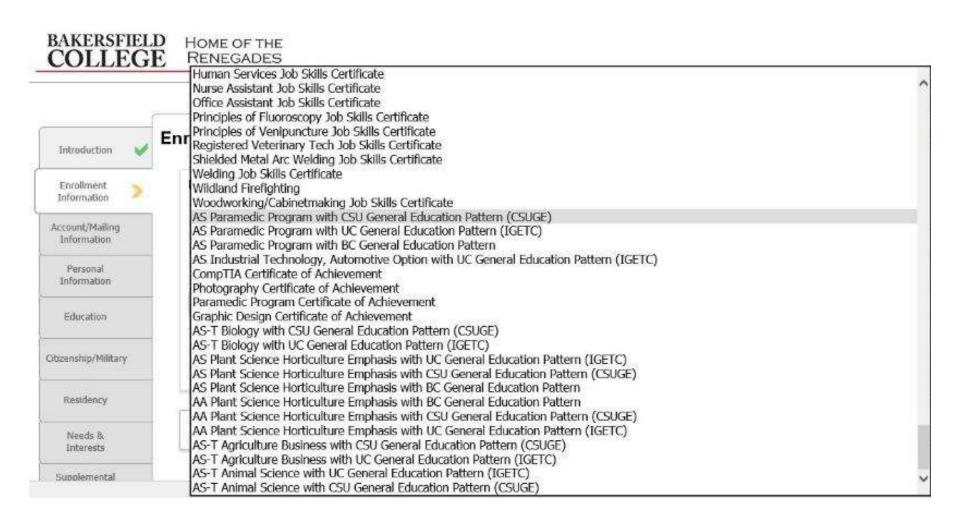


The Florida System aligns with K-12 pathways with the college and university 8 pathways as exemplified by this district, St Lucie Public Schools in Port St, Lucie, FL

# Observation: First Screen of Majors



# Observation: Ninth Screen of Majors



## RENEGADE ROAD MAP

#### HEALTH SCIENCES

Majors of Study

- -Registered Nursing:
- -Vocational Nursing
- -Nurse Assistant
- -Public Health Sciences
- -Radiology Technology
  - -Kinesiology
- -Health Information Technology

#### **BUSINESS/** COMPUTER SCIENCES

Majors of Study

- -Accounting
- -Admin Office Assistant
  - -Bookkeeping -General Business
- -Retail Management
- -Computer Science

#### **AGRICULTURE**

Majors of Study

- -Ag Business
- -Animal Science
- -Horticulture
- -Forestry
- -Plant Science
- -Pre Veterinary
  - -Medicine
  - -Vet Tech

#### **PUBLIC SAFETY**

Majors of Study

- -Fire Tech
- -Paramedic
  - -EMT
- -Criminal Justice
- -Correctional
- Administration
- -Administration of Justice

#### Highest Ranked Jobs in Kern County

- · Registered Nurses SSB 87/hr.
- · Licensed Vocational Nurses \$28.66/hr
- Nurse Assistant S11 40/hr.
- . Physical Therapist Assistant \$82.33/hr
- . Radiology Technologists 531 17/hr.

#### Highest Ranked Jobs in Kern County

- · Business Operation Specialist \$35.13/hr.
- \*Accountants/Auditors 529.33/hr.
- Human Resource
- SpecialistS26.83/hr.
- Purchasine Agents \$35,44/hr.
- \*Financial Specialist 532 58/hr

#### Highest Ranked Jobs in Kern County

- Agriculture Equipment Operators 513 34/hr
- Agriculture Inspectors \$21.15/hr.
- Forest/Conservation Workers 59.87/hr.
- · Agriculture Workers \$16.10/hr.
- Forestry Workers \$20.98/hr.

#### Highest Ranked Jobs in Kern County

- . Corrections Officers \$37.24/hr
- . Police/Sheriff Officers \$33.84/hr.
- · Firefighter's \$30.20/hr.
- EMT/Paramedics S17.96/hr
- . Security Guards S11 24/hr.

#### INDUSTRIAL TECH Majors of Study

- -Automotive
- -Electronics
- -Engineering
- -Welding
- -Woodworking
- -Industrial Drawing
  - -Architecture
  - -Construction
- -Manufacturing

#### Highest Ranked Jobs in Kern County

- Welders' \$25.56/hr.
- · Production Workers \$11.20/hr.
- . Construction Labors \$16.28/hr.
- Industrial Engineers \$53,70/hr.
- . Electrical Engineers \$42.02/hr.

#### MATH/SCIENCE Majors of Study

- -Math
- -Biology
- -Physics

#### SOCIAL/BEHAVIORAL & HUMAN SERVICES

- Majors of Study
- -Child Development
  - -Human Services -Culinary Arts

#### ARTS/HUMANITIES/ COMMUNICATION

Majors of Study

- -Studio Arts
- -Graphic Design
- -Photography
- -Communication

#### Highest Ranked Jobs in Xern County

- Statisticians \$41.56/hr
- Database Administrator 557 24/hr Environmental Spentist/Specialist
- Mathematicant 541.99/hr
- · Geological & Petroleum Technicum. 519.06/hr

#### Hignest Ranked Jobs in Kern County

- · Social & Human Services Assistants 517:51/hr
- . Child, Family & School Social Workers
- Rehabilitation Counselors \$11.47/hr.
- . Child Care Workers \$10.88/hr. • Restaurant Cooks S11 66/hr.

#### Highest Ranked Jobs in Kern County

- Graphic Designers \$21.59/hr. Photographers' \$12.66/hr.
- Technical Writers \$30.85/hr.
- Media & Communication Workers 518 21/hr
- Public Peration Scenarios



#### **Health Sciences**

#### Majors of Study

- Biology Human Biology
- · Health Information Technology
- Kinesiology
- Paramedic
- Public Health Sciences
- Radiology Technology

· Administrative Assistant

Business Administration

- Registered Nursing
- Vocational Nursing

**Business** 

Majors of Study

Bookkeeping

Economics

**Culinary Arts** 

Majors of Study

Ag Business

· Culinary Arts

Program

Option

Forestry

Plant Science

Plant Science – Crops

**Emphasis** 

Emphasis

Animal Science

Office Assistant

Retail Management

Agriculture, Nutrition &

· Agriculture Plant Sciences

Dietetic Services Supervisor

Environmental Horticulture

Food Service Management

Plant Science - Horticulture

Communication

Accounting

### Majors of Study

· Biology - General Biology

Science, Technology &

Engineering, Math (STEM)

- Chemistry
- COMP TIA
- · Computer Science
- Engineering
- Geology
- · Math
- Physics

#### **Public Safety & Emergency** Management

#### Majors of Study

- · Administration of Justice
- Chief Fire Officer
- Correctional Administration
- Criminal Justice
- Fire Officer
- Fire Technology
- Paramedic
- Wildland Fire Technology

#### Social Sciences, Behavioral Sciences & Human Services

#### Majors of Study

- · Administration of Justice
- Anthropology
- Communication
- · Criminal Justice
- Economics
- English
- History
- Human Services
- Philosophy
- Political Science
- Psychology
- Sociology

#### Industrial & Transportation Technology

#### Majors of Study

- · Architectural Drafting
- · Bachelor of Science, Industrial Automation
- Brakes
- Cabinet making
- Construction
- · Engine Overhaul
- · Engineering Technology
- Industrial Drawing
- Industrial Technology -Automotive
- Industrial Technology -Electronics
- Industrial Technology Industrial Drawing
- Industrial Technology -Manufacturing
- Industrial Technology -Welding
- Industrial Technology - Woodworking and Cabinetmaking
- Industrial Technology-General
- Powertrain
- · Tune Up Emissions

#### Education (Early Childhood / k-8)

#### Majors of Study

- Child Development Master Teacher-Infant Toddler
- · Child Development Master Teacher-Special Education
- Child development Teacher
- · Early Childhood Education
- · Elementary Teacher Education

#### Majors of Study

American Sign Language

Arts, Humanities & Design

- · Commercial Music
- Communication
- English
- Graphic Design
- History
- Journalism
- Media Art
- Music
- Philosophy
- Photography
- Spanish
- Studio Art
- Theater Arts

#### Personal & Career Exploration

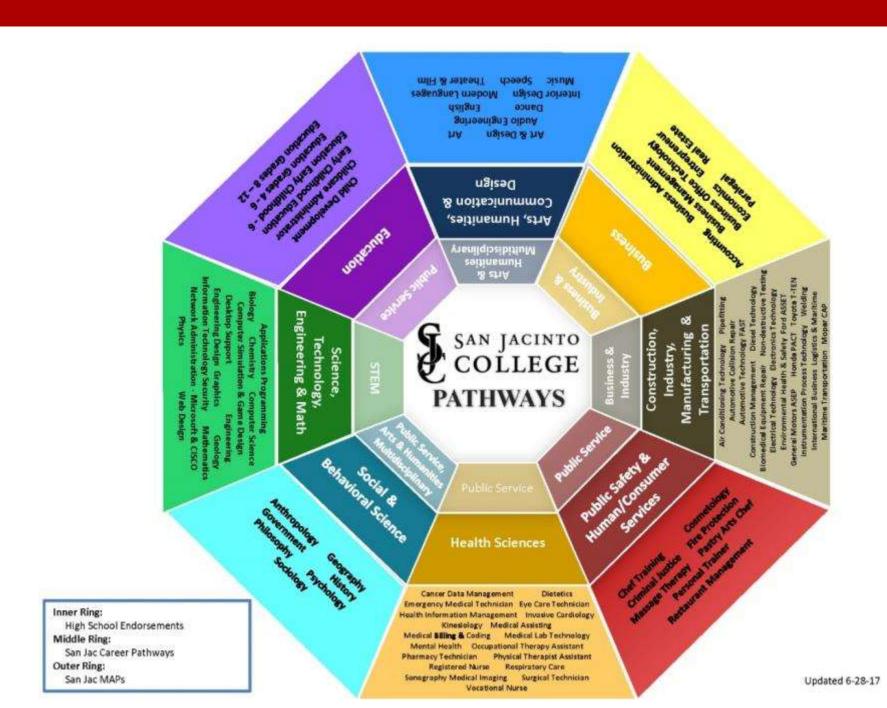
#### Majors of Study

For the undeclared student and those exploring a variety of potential careers



### Career Pathways

Arts, Humanities, Communication and Design	Business	Education	Public Safety and Human/Consumer Services
Art Audio-Engineering Dance Design Graphics English Foreign Language Graphic Design Humanities Interior Design Music Speech Theatre and Film Visual Graphics	Accounting Agriculture Business Administration Business Office Technology Economics International Business Logistics Management Maritime Paralegal Real Estate	Childcare Associate Early Childhood Elementary Education Secondary Education	Cosmetology Criminal Justice Culinary Arts Fire Science Massage Therapy Personal Training Restaurant Managment
Construction, Industry, Manufacturing and Transportation	Health Sciences	STEM	Social and Behavioral Science
Air-conditioning Technology Automotive Collision Repair Automotive Technology Aviation Biomedical Equipment Repair Construction Technology Construction Management Diesel Technology Electrical Technology Electronics Technology	Cancer Data Management Dental Assistant Emergency Medical Technician Eye Care Technology Long Term Care Medical Assisting Medical Coding and Billing Medical Lab Tech Medical Radiography Mental Health	Biology Chemistry Computer Science Computer Programming Computer Simulation (gaming) Computer Information Technology Engineering Design Graphics Engineering Environmental Science Geology	Anthropology Geography Government History Philosophy Psychology Sociology



## Additional Curricular Considerations

- How does the college communicate Meta Majors to prospective students?
- How does the college help students make informed choices about Meta Majors?
- How does Meta Majors placement align with English, math and ESL placement?
- Do orientations, first-year experience courses, and student success courses align to the Meta Major?
- Will mapped pathways be presented to students as their default registration?
- How will you incorporate the Golden 4 and other transfer requirements?
- Will these organizational strategies have any unintended consequences on equity?

## What are the Outcomes?

- Program clarity
- Sequencing clarity
- Specific data for nudges
- Targeted messaging
- Clear contacts for student questions
- A village to lead the student to the outcome



Community College •	Degree Title #	Degree Type	CSU Campus	CSU Major *	CSU Major Emphasis or Concentration	CSU Degree Type	Instruction Delivery Format #	Program Effective Term*
Bakersfield College	Sociology	АА-Т	Bakersfield	Sociology	Ethnic Studies	ВА	Campus	Fall 2011
Bakersfield College	Sociology	АА-Т	Bakersfield	Sociology	General	ВА	Campus	Fall 2011
Bakersfield College	Sociology	AA-T	Bakersfield	Sociology	Human Services	ВА	Campus	Fall 2012
Bakersfield College	Sociology	AA-T	Fresno	Sociology	Sociology	ВА	Campus	Fall 2011
Bakersfield College	Sociology	AA-T	Stanislaus	Sociology	Criminology and Society	ВА	Campus	Fall 2011
Bakersfield College	Sociology	AA-T	Stanislaus	Sociology	General	ВА	Campus	Fall 2011
Bakersfield College	Sociology	АА-Т	Stanislaus	Sociology	Human Services	ВА	Campus	Fall 2011
Bakersfield College	Sociology	АА-Т	Stanislaus	Sociology	Social Justice	ВА	Campus	Fall 2011

### BAKERSFIELD COLLEGE

#### PSYCHOLOGY Finish In 4 Pathway



The Finish in 4 Pathway provides a roadmap for completing this academic program and general education at Bakersfield College and California State University, Bakersfield in 4 years. Students should use this plan in conjunction with other academic planning resources.

- \* Your educational plan may vary depending on course level placement and/or waivers.
- Students should use this plan in conjunction with other academic planning resources.
- \* Completion is based upon students completing 30 units a year and may include summer.
- \* This is a suggested sequence: Students may change course timing to accommodate open classes and personal schedules.

**NOTE**: This guide is designed for those students wishing to transfer to CSUB. In addition to following this roadmap, all other admissions and academic requirements of this major and general education as listed in the BC and CSUB campus catalog must be adhered to.

#### GE: = General Education; Major = Program of Study

	Com	ipiete at	ваке	ers	neia College		
	Fall Schedule				Spring Schedule		
ear	Course	Major	Major Units		Course	Major	Units
ear	Course	GE	Onits		Course	GE	Onits
	PSYC B1A General	Core	3		PSYC B1B Biological	List A	3
	Psychology	D9			Psychology	B2	,
	ENGL B1A Expository		3		PSYC B5 Elementary	Core	4
	Composition	A2			Statistics for the Behavioral	B4	7
	Oral Communication course -		3		Social Sciences course		3
	either COMM B1, B4, B8	A1				D	,
1	Either PSYC B20 Social	List B	3		Either PSYC B30 Human	List C	3
	Psychology or PSYC B40	D9			Sexuality or PSYC B33	D9	٠
	HIST 17A, 17B, 20A, 20B,		3		Arts and Humanities course		3
	30A, 30B, or 36	D6/AI	Ū		Arts aria riginariites course	C1or C2	_
			15				16

	Fall Schedule		Г	Spring Schedule			
Year	Course	Major GE	Units	l	Course	Major GE	Units
	ENGL B16, B2, B3 PHIL B7, B9 COMM B5	A3	3		PSYC B6 Research Methods for the Behavioral & Social	Core	4
	Arts and Humanities course	C1 or C2	3	$\vdash$	Arts and Humanities course	C1or	3
	Either PSYC B20 or PSYC B33 or PSYC B40 or PSYC	List B/C D9	3	$\vdash$	POLSB1	D8	3
2	Physical Sciences w/Lab	B1&B3	4		Transferable Elective course		3
	Transferable Elective course		3	H	Transferable Elective course		3
			15				16

### BAKERSFIELD COLLEGE

#### PSYCHOLOGY Finish In 4 Pathway



A Finish in 4 Pathway provides a roadmap for completing this academic program and general education at Bakersfield College and California State University, Bakersfield in 4 years. In order to be considered for admissions to CSUB, students must meet the following requirements:

- Complete the Associate Degree for Transfer requirements as outlined in the BC catalog
- Apply for graduation from Bakersfield College by the posted deadline date
- Apply for admissions to California State University, Bakersfield during the priority filing period

**NOTE**: This guide is designed for those students transferring from Bakersfield College. In addition to following this roadmap, all other admissions and academic requirements of this major and general education as listed in the BC and CSUB campus catalog must be adhered to.

		inpiece.	4		Darteroneia		
	Fall Schedule				Spring Schedule		
Year	Course	Category	Units		Course	Category	Units
	PSYCH 3110: Research Methods II	М	3		Upper Division General Education	UB	3
	PSYCH 2020: Psychology as a Profession	М	3		PSYCH Foundation Course Area B (See list)	М	3
	PSYCH 2030: Interpersonal and Group Process Skills	М	3		PSYCH Upper Division Elective #1	М	3
3	PSYCH Foundation Course Area A (See list)	М	3		PSYCH Upper Division Elective #2	М	3
	Junior Year Diversity Reflection (JDYR)	JYDR	3		Free Elective		3
			15	L			15
	i			ı			

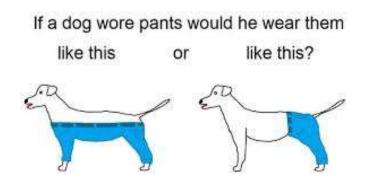
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	Fall Schedule	Fall Schedule			Spring Schedule				
Year	Course	Category	Units		Course	Category	Units		
	Upper Division General				Psych 4900: Senior Seminar				
4	Education	UD	3	l	or Psych 4910: Senior Thesis	М	3		
				Г					
	Applied Experience	M	3		Capstone	M	1		
	Lab course (linked to				·				
	previously completed course)	M	3	ı	Free Elective		3		
	PSYCH Upper Division								
	Elective #3	M	3	l	Free Elective		3		
	Graduation Writing								
	Assessment Requirement	GWAR	3		Free Elective		3		
					Elective		2		
			15				15		

# Tracking Data by Meta Majors is manageable and makes a difference!

Meta-Majors	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Agriculture, Nutrition & Culinary Arts	5.5%	3.6%	4.1%	4.3%	6.0%	6.3%
Arts, Humanities & Design	8.9%	10.1%	9.6%	9.1%	10.2%	14.5%
Business	7.9%	8.9%	8.7%	9.7%	9.5%	8.5%
Education	5.0%	7.3%	8.0%	9.0%	7.6%	7.1%
Health Sciences	14.1%	17.1%	18.8%	20.9%	20.9%	18.5%
Industrial & Transportation Technology	6.0%	7.3%	6.9%	6.4%	6.8%	6.0%
Personal & Career Exploration	21.2%	13.0%	9.0%	7.0%	6.2%	5.7%
Public Safety	3.0%	2.5%	2.6%	2.2%	3.8%	6.0%
Social, Behavioral, & Human Services	15.8%	17.4%	19.1%	18.4%	17.7%	15.1%
STEM	10.3%	11.5%	11.9%	12.1%	11.2%	11.2%
Unknown	2.4%	1.3%	1.3%	0.9%	0.0%	1.1%

## Facilitating the Conversation

- How much of a degree is within a particular department?
- How do you incorporate representation from other disciplines?
- Where do under-prepared or undecided students go and who plans for them?
- How do you consider transfer requirements?
- Where do conversations with high school faculty fit in?
- Where do conversations with the students fit in?



# Let's give it a try!

### **Activities (select one)** in groups of 4-5:

- A. Overall organization: What guiding principles would you include in the development of Meta Majors (i.e. incorporation of GE and specificity, development or discontinuance of programs/courses, who should be involved in the discussion and final decisions)
- **B.** Specifics: Use this list of majors and simple program outcomes to identify all the local college stakeholders that should be involved in identifying the Meta Majors, what steps need to take place to begin the process, and how will each Meta Major be integrated into the college pathways plan as a whole.
- C. Alternative Activity: For those from colleges that have already developed Meta Majors...what would you do differently, if you could start all over again?

## Follow-up Discussion and 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?



## 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

Key Meta-Major Questions to Consider

https://jfforg-prod-prime.s3.amazonaws.com/media/documents/Meta-Majors-Key-Questions-071816.pdf

- Multiple Paths FORWARD: Diversifying Mathematics as a Strategy for College Success <a href="https://www.wested.org/wp-content/uploads/2018/05/Multiple-Paths-Forward-Booth.pdf">https://www.wested.org/wp-content/uploads/2018/05/Multiple-Paths-Forward-Booth.pdf</a>
- Quantitative Reasoning the Next "Across the Curriculum" Movement by (AACU) Susan Elrod, 2014

https://www.aacu.org/peerreview/2014/summer/elrod

• The Dana Center Mathematics Pathways: The Right Math for the Right Student at the Right Time

https://dcmathpathways.org/dcmp/dcmp-model

