

Life Sciences/Biotech Sector & CTE Reopening Report

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SCC RC Meeting
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What is Biotech?

- Diverse group of industries
- Use of cellular & bio-molecular processes to develop technologies & products
 - Combat disease
 - Reduce environmental footprint
 - Feed the hungry
 - Use less and cleaner energy
 - Safer, cleaner, more efficient industrial manufacturing processes



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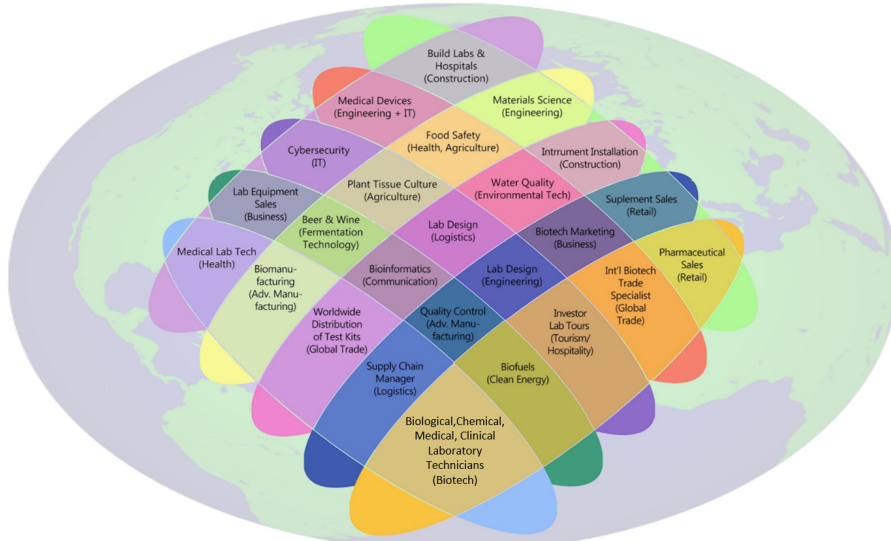
Examples of Life Science Industries

- Medical
 - Therapeutics
 - Pharmaceutical companies
 - Biotechnology companies
 - Medical devices
- Agricultural biotechnology
- Fermentation (industrial, foods, beer, wine)
- Food Technology
- Biodegradable plastics
- Biofuels
- Bioremediation



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BIOTECHNOLOGY SPANS THE WORLD OF CAREERS

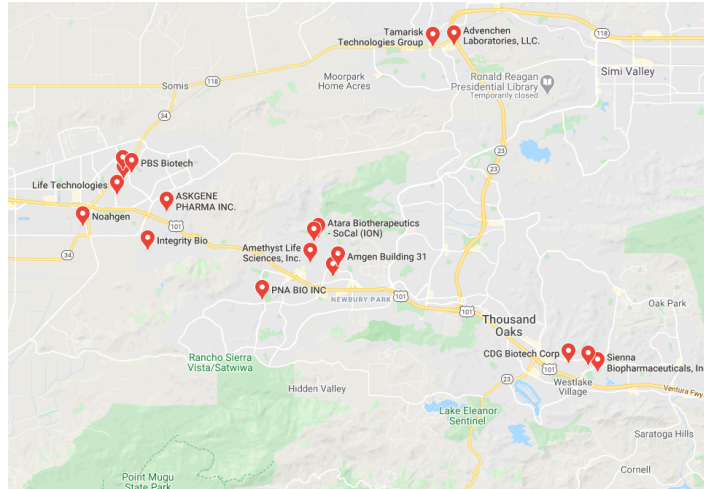


Use the POWER of Knowledge & Skills You Already Have in Ways You Never Imagined...

Just ONE Biotech Class Opens a New World of Possibilities

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Biotech Companies in the Region



 **Life Sciences/Biotech Initiative**
POWERED BY
 California Community Colleges

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South Central Coast Biotech Programs in 2020



 **Life Sciences/Biotech Initiative**
POWERED BY
 California Community Colleges

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CTE Reopening Report

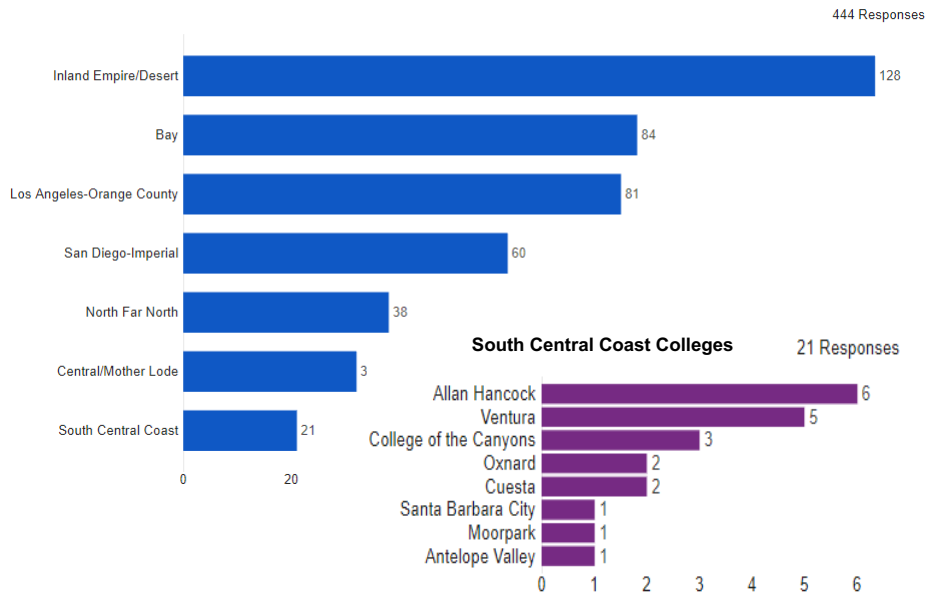
Prepared for the California Community College Chancellor's Office by
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With special thanks to Laura Coleman, Statewide Director of the Centers of Excellence,
 for her Qualtrics guidance and assistance, and for sharing ideas.

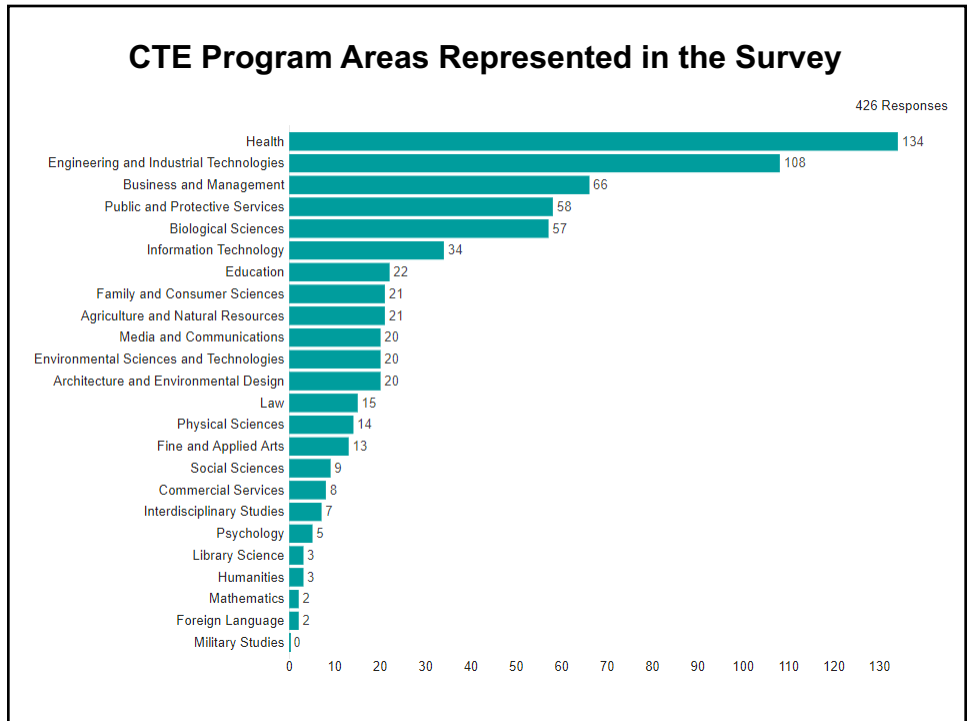
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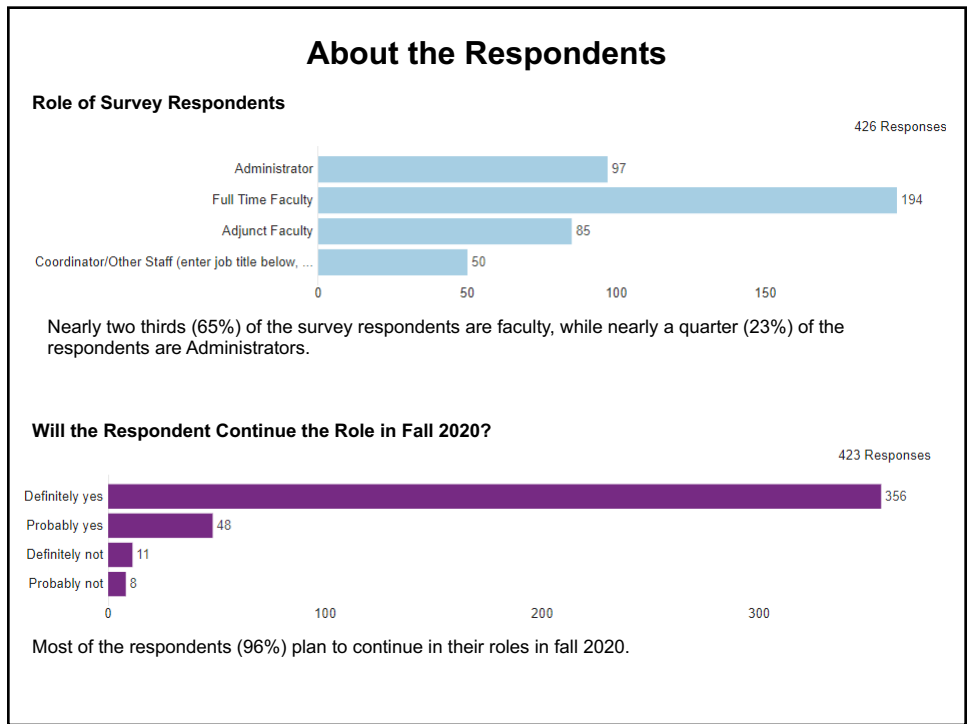
Regional Survey Participation



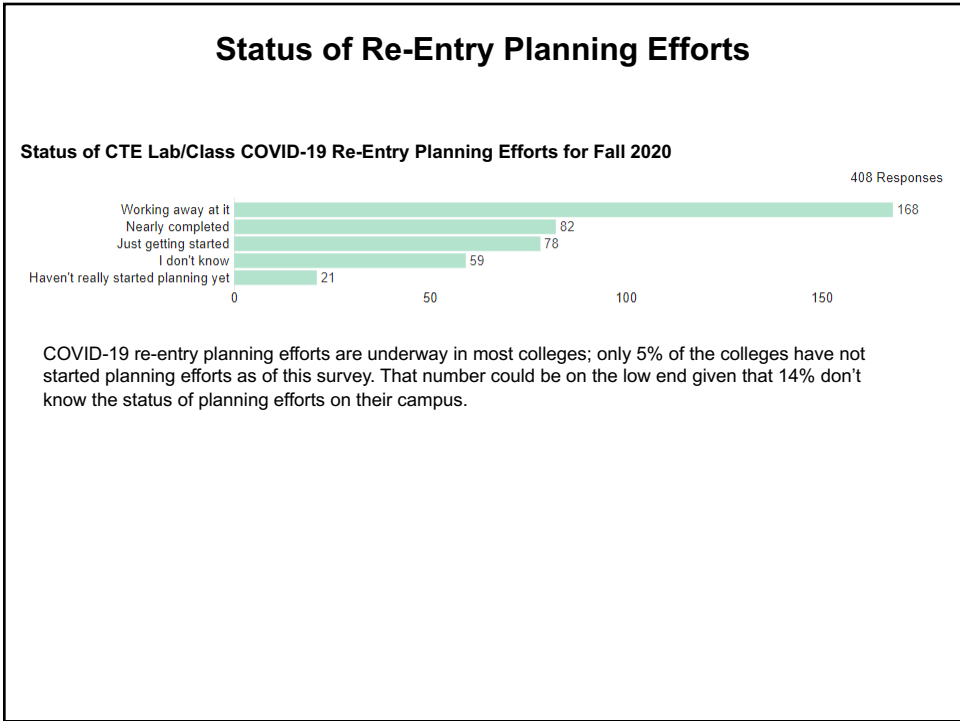
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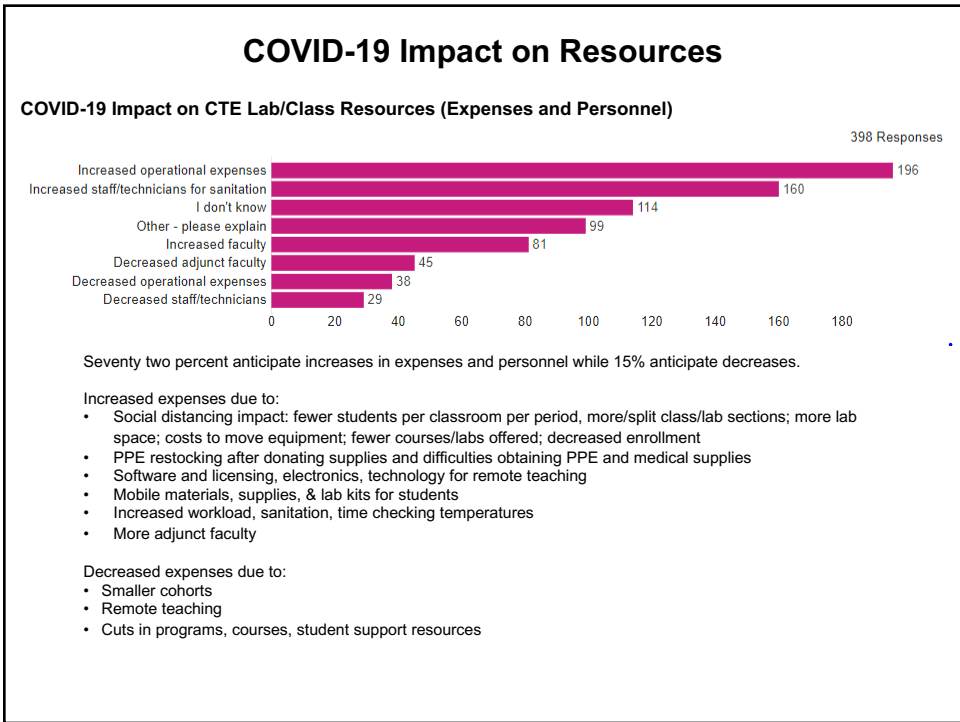
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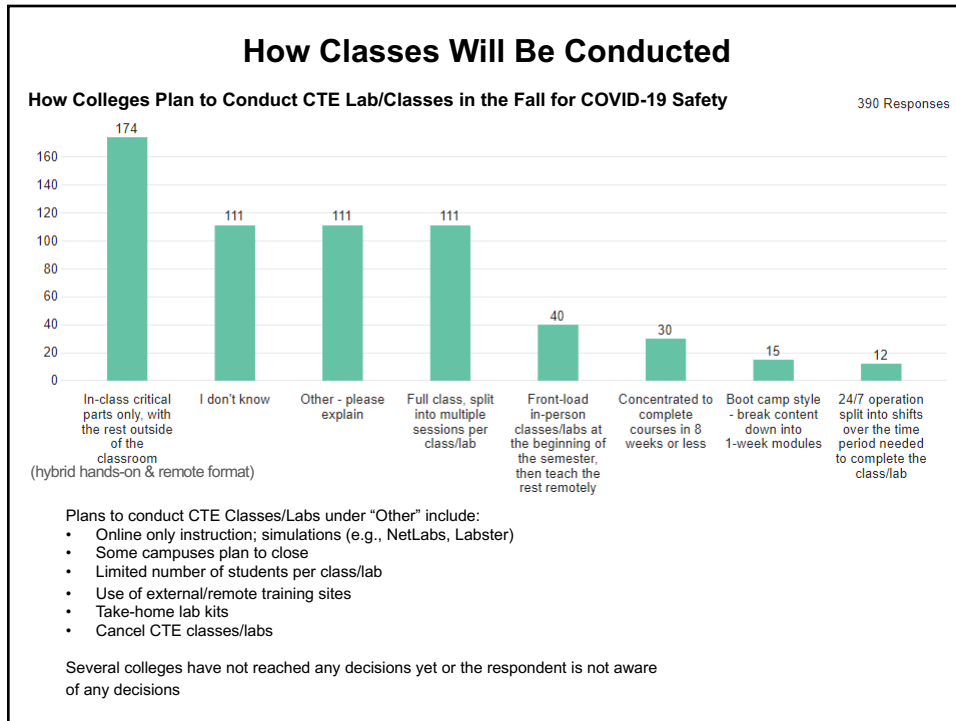
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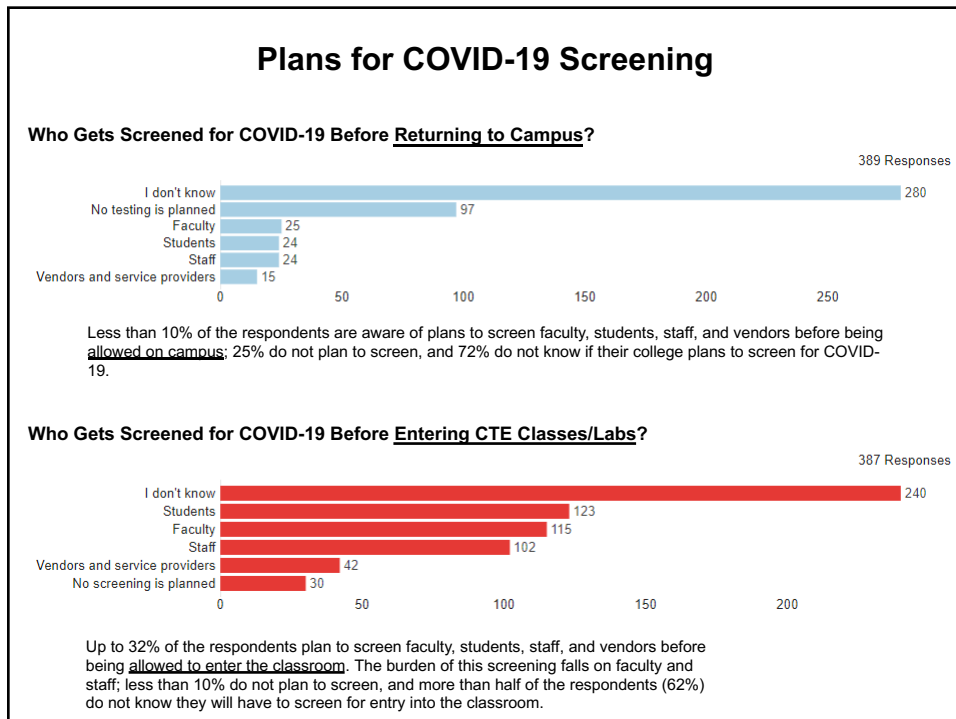
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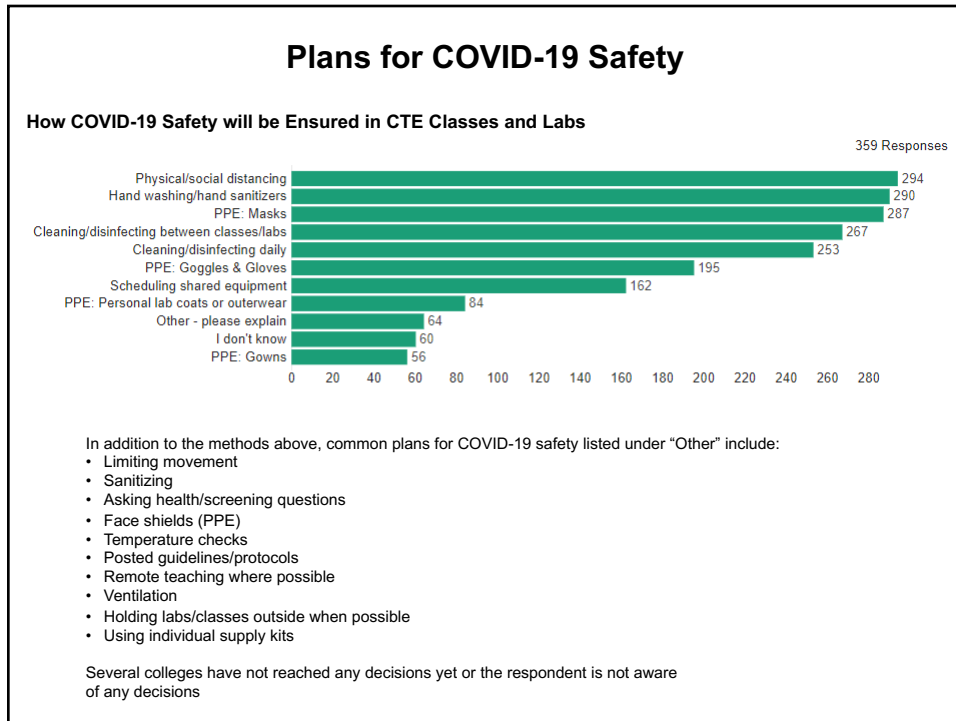
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CTE Classes Impacted

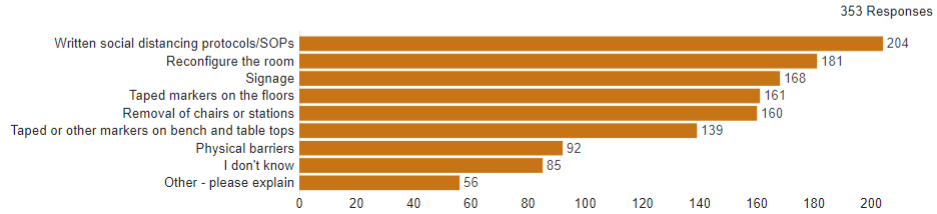
Responses are summarized below:

Accounting	Clinical	Health	Paramedic Academy program
Agriculture	Clinical Hospital and Field Internship	Health Program	Performing arts
Agriculture labs	Rotations	Healthcare	Personal training program
Aeronautics	Clinical pathology	Horticulture	Pest management
Aircraft maintenance	Clothing alterations	Horticulture labs	Pesticides laws and regulations
Aviation	Clothing construction	HVAC	Phlebotomy
Aviation maintenance	Commercial truck driving	HVACR	Photography
Aviation mechanics	Computer applications	Industrial	Physical Therapy Assistant program
Aviation Tech	Construction	Industrial Electrical Technology	Physiology
All	Construction practices	Industrial maintenance	Plant ID
All classes with lab portion	Cosmetology	Introduction to Drawing and	Plant identification
All allied health CTE program labs	CPR	Perspectives	Plant propagation
All Computer Numeric Controlled (CNC)/Machine lab classes	Culinary Arts	Investigative Report Writing	Plant science
All CTE classes	Culinary Labs	Irrigation Technology	Police academy
All CTE with Labs or Clinicals	Custodial	Information Technology	Basic Corrections Officer Training
All Non-Manufacturers training	Dance program	Kinesiology]	Basic Peace Officer Training
Alternative fuels	Defensive Tactics	Land Surveying	Basic Police Officer Training
Anatomy	Dental Assisting	Landscape construction	Process technology
Anesthesia	Dental Hygiene	Landscape Equipment	Psychiatric Technician
Animal care	Diesel and automotive	Landscape management	Public safety
Animal Science	Drafting	Landscape planning and design	Public safety academy
Animation and Media Arts	Early childhood studies practicum classes	Manufacturing	Radiation Technician
Applied Sciences	Education practicum classes	Marine biology	Radiation Technology
Arboriculture	Electric vehicle technology	Mechanics	Radiology
Architecture	Electronics Tech	Medical Assistant	Respiratory lab classes
Auto	Emergency Medical Responder program	Microbiology	Respiratory Therapy
Auto body	Emergency Medical Services	Medical Laboratory Technician	Science
Auto classes	Emergency Medical Technician – all	Modalities	Science Lab Classes
All auto lab classes	Energy Systems Technology	Mortuary Science	Shooting Range
Auto Collision and refinishing	Environmental Sciences	Multiple Health Science Programs	Soil science
Auto Collision Repair and Paint	Equine Science	Natural Resources	Speech language pathology assistant
Auto Tech	Fashion studies	Neuro	Sports Medicine
Automotive	Film and Television	Noncredit	STEM labs
Automotive Air Conditioning	Film production	Nursing – all	Technical Office Occupation Program
Automotive Electrical	Fire Academy	Nursing Assistant	Technical Theater
Automotive maintenance	Firefighter Academy	Nursing Clinical	Therapeutic Exercise
Automotive technology	Fire Science	Nursing programs	Trades
Automotive/Diesel Technology	Fire skill courses	Nursing Skills Lab Courses - All	Turf equipment
Automotive/motorcycle/auto body	Firearms training	Certified Nursing Assistant (CNA)	Turf management
Biology	Floral design	CNA – Restorative Care	Vet Tech Program
Biotech	Allied Health	LVN	Veterinary Technology
Chemical agent training	Allied Health Program	RN program	Water science
Child Development & Education		Observation & Practicum classes	Welding - All
		Ornamental Horticulture	

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Plans to Enforce Social Distancing in CTE Classes & Labs

How Social Distancing will be Enforced for Indoor CTE Activities and Labs



Students are typically engaged in hands-on activities that may involve movement and sharing equipment in CTE classes and labs.

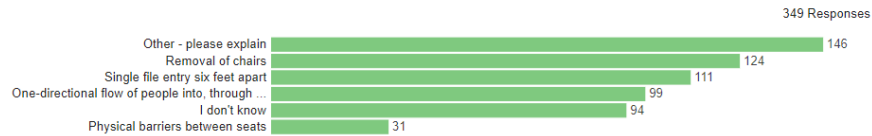
In addition to the methods above, common plans to enforce social distancing listed under "Other" include:

- Following specific protocols/guidelines, including how to enter the classroom
- By modeling protocols to students
- Training and COVID-19 education
- Spreading out equipment
- Staggered scheduling
- Supervision
- Spacing markers
- Moving activities outside
- Social distancing wristbands

Several colleges have not reached any decisions yet or the respondent is not aware of any decisions

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Plans to Enforce Social Distancing in Lecture Classes



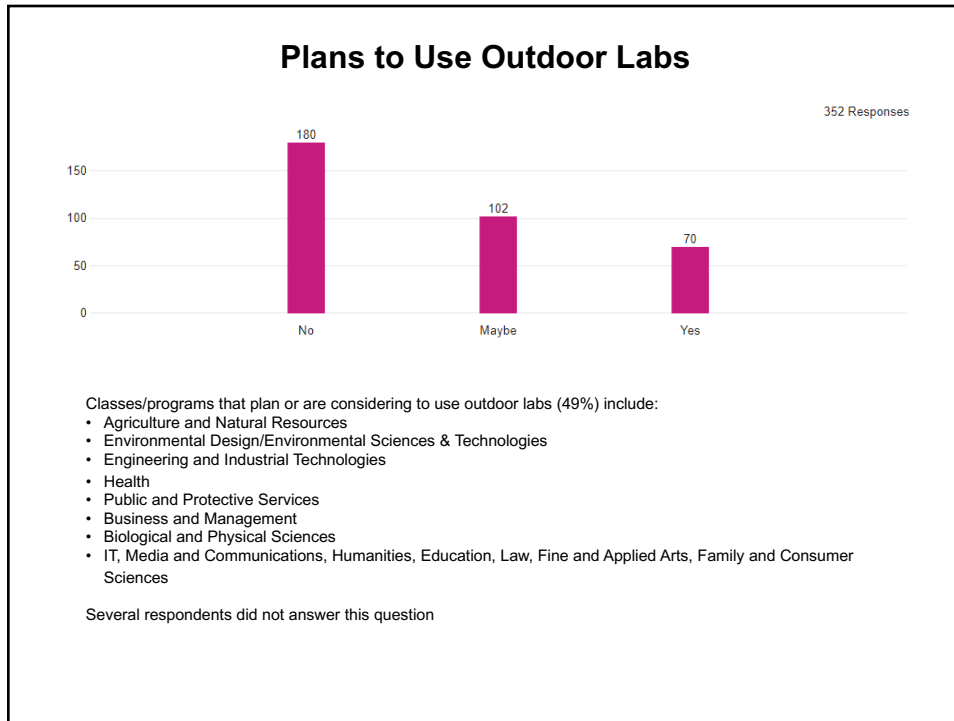
Students in lecture classes typically remain in the same seat for the duration of the class once they settle in. Students often either enter the class late, or leave early, having to walk through narrow aisles in close proximity to seated students.

In addition to the methods above, common plans to enforce social distancing in lecture classes listed under "Other" include:

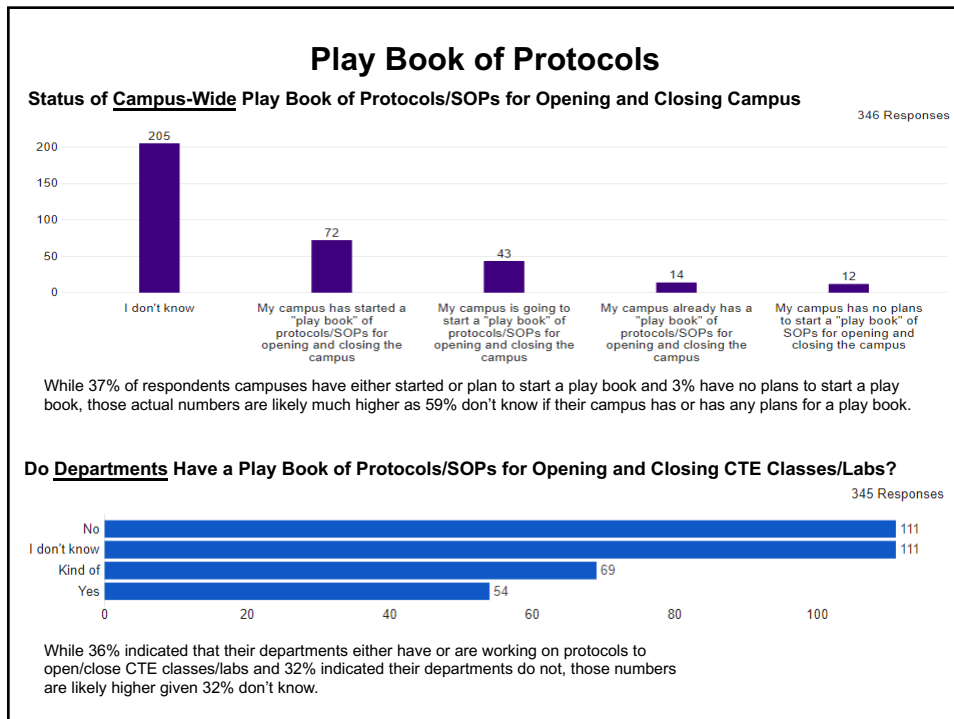
- Assigned seating
- Removing chairs; 6 ft spacing between chairs
- Smaller class sizes
- Spread students out across multiple classrooms
- Hold classes in large rooms or outside
- No in-person lectures; online only

Several colleges have not reached any decisions yet or the respondent is not aware of any decisions

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