

**COMMUNITY SERVICE LEARNING
SUPPLY CHAIN EXPERIENCE
SCHOLARSHIP PROGRAM**

San Diego Miramar College

2019

Sandra Slivka

GOALS

- Boost STEM career awareness and college success
- Increase confidence in approaching STEM employers
- Improve work-readiness skills
- Provide financial relief for fiscally challenged and underrepresented STEM students in San Diego community colleges

KEY PHASES OF PROJECT

PHASE I

Recruitment Workshops

- 'Popcorn and Pizza' workshops (Spring 2018) were held at regional community colleges
- Introduced students to the concept of quality control and supply chain, explained application process, and introduced resumes

Application and Selection

- Proof of CA BOG Fee Waiver (existing financially aid)
- Resume
- Transcript
- Personal Statement

KEY PHASES OF PROJECT

PHASE II

Service Learning

100 hours

- Career Exploration Opportunities and Industry Exposure (Site visits/presentations) – 10 hours
- Resume Building – 20 hours
- Interview Techniques/Career Search Skills – 10 hours
- Hands-on STEM lab experiences – 20 hours
- Supply Chain Experience with Quality Manufacturing: Produced products for the San Diego Miramar College high school outreach program (on-campus work experience) – 40 hours

*Select students participated in paid internships

KEY PHASES OF PROJECT

PHASE III Scholarship

- Complete Service Learning hours
- Enroll in at least 12 units* and demonstrate successful completion of fall 2018 semester
- Receive scholarship
 - \$1500 scholarship to STEM majors
 - \$3000 scholarship to Medical Lab Tech majors to offset outside required training costs of ~\$3000

*exceptions made based on students status toward CCC completion and/or career

PARTICIPANTS

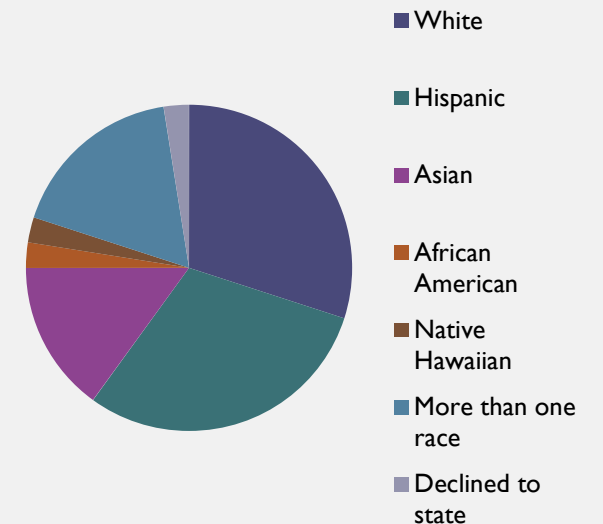
40 STUDENTS ENROLLED AND RECEIVED SCHOLARSHIP

A diverse group in every way!

Participant Statistics

- 18 were first in family to attend college
- 30 were first in family to pursue a STEM career
- Average Age ~30 years old
 - 11 < 22 years old
 - 15 between 22 - 30 years old
 - 13 > 30 years old
- 27 Female; 13 Male
- Community College
 - SD Miramar
 - SD Mesa
 - SD City
 - MiraCosta
 - Grossmont
 - Cuyamaca

Ethnic Breakdown

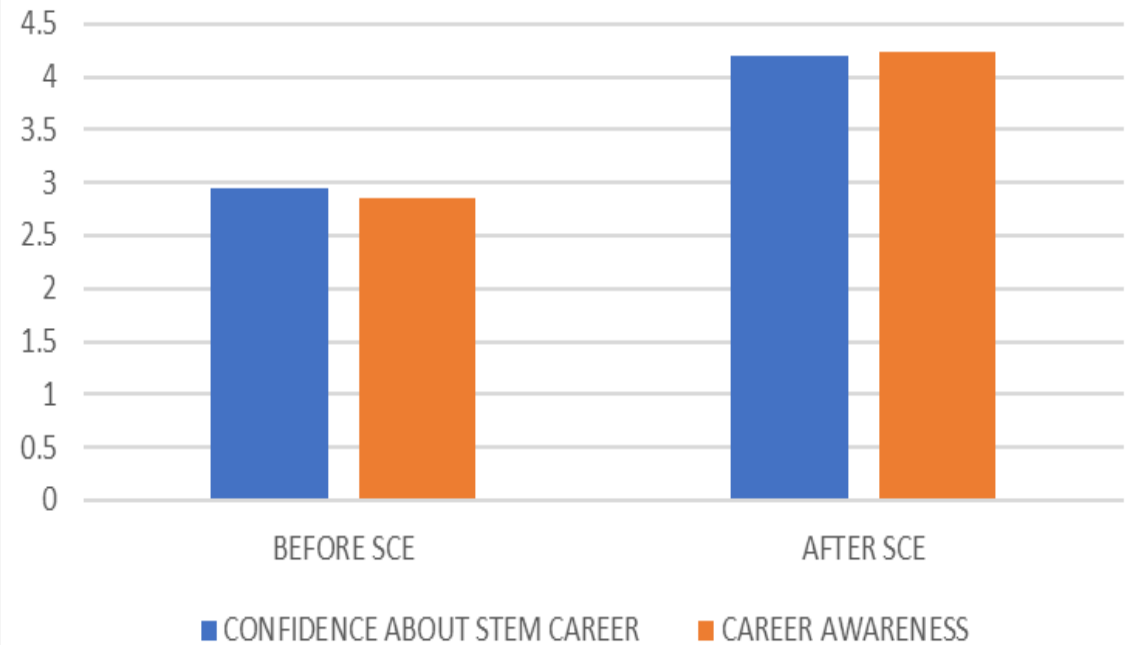


DID WE ACHIEVE OUR GOAL?

YES

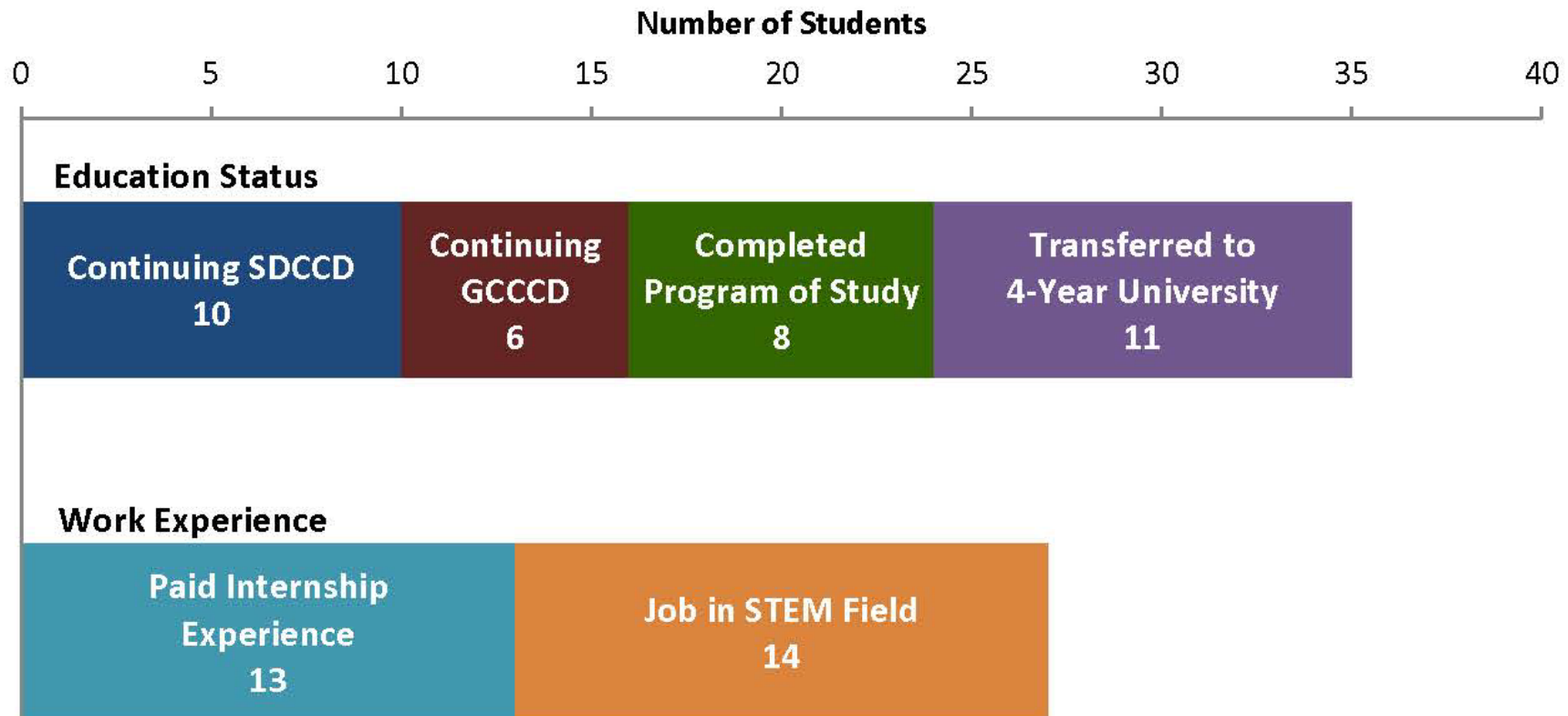
SCE improved career awareness and college success for underrepresented and financially challenged STEM students regional San Diego Colleges

SCE EXPERIENCE INCREASED STEM
CONFIDENCE/CAREER AWARENESS



WHERE ARE THEY NOW?

Participant Status, Summer 2019



AND THEY HAD FUN

SUMMER COHORT



FALL COHORT



AND THEY GOT SO MUCH MORE

- “Future participants should know that this program will change your life, you are very fortunate to have people help you like this in adulthood. This is a second chance at making things right or better than before.” – Computer Science Student at Grossmont College
- “I encourage everyone to enroll in the program; I wish if I attended this program long time ago, this will change a lot of things in my life.” – MLT student at Miramar College
- “I see this course more like an internship than an actual class because we learned transferrable skills” – Engineering student at San Diego City College
- “I learned a lot of job and interviewing skills that I believe I can confidently use to better my job outlook” – Computer Engineering student at Mesa College
- “I learned a lot about internships, mentorship, job search, employment opportunities. I feel that every individual was given the time and care to help them grow on the educational and career seeking levels.” – Aerospace Engineering student at Cuyamaca/Grossmont Colleges
- “I would tell future participants to treasure this time. I would tell them to be inquisitive and to learn as much as possible. Ultimately, I would tell them to prepare themselves for an amazing experience.” – Biology student at MiraCosta College
- “The SCE has improved my confidence in networking and meeting industry professionals. I will use this to make new connections.” – Bio-manufacturing Student at MiraCosta College

PARTNERS



The San Diego
Foundation
Growing a Vibrant Region



SOUTHERN
CALIFORNIA
BIOTECHNOLOGY
CENTER

SCE Scholarship



MIRAMAR COLLEGE BIOTECHNOLOGY PROGRAM

San Diego Miramar College

2019

Rebecca Bowers-Gentry

GOALS



- The Biotechnology program is intended to provide students with an intensive laboratory skills development experience to meet entry-level employment requirements in the biotechnology industry.
- Topics covered in the program include the fundamental chemical processes common in prokaryotic and eukaryotic biology, chemistry of bio-molecules, cellular and molecular biology, basic immunology, and classical and molecular genetics with an emphasis on gene expression and genetic engineering.
- The program courses address skills and techniques common to the biotechnology industry.

CERTIFICATE OF ACHIEVEMENT



- Biology 131-Introduction to Biotechnology-Lecture and lab
- Biology 132-Applied Biotechnology I-Lab training course-basic concepts and techniques
- Biology 133-Applied Biotechnology II-Lab training course-Higher level concepts and techniques

NEW COURSE



- Biology 136-Quality and Regulatory Practices in Biotechnology
- Industry regulations for Quality knowledge for employment
- Offered online
- Training for Industry-recognized CQIA certification

WORK READINESS



- Resume development
- LinkedIn
- Mock Interviews
- Teamwork and Team Building Exercises
- Communication requirements
- Customer/Supplier relationships
 - Outreach program and Chemistry Collaboration

**SCE AND BIOTECHNOLOGY
PROGRAM SUCCESS STORY**

**HEATHER GRAMAJO
EMPLOYED AT ORGANOGENESIS**