

LIFE SCIENCES PROGRAMS FACT SHEET



The Life Sciences Summer Institute (LSSI) nourishes a passion for science and math in San Diego's next generation of scientists.

SDWP — in collaboration with [BIOCOM](#) and the [Southern California Biotechnology Center \(SCBC\)](#) at Miramar College — created LSSI in 2005 to strengthen science and math education in San Diego County and develop a future workforce for the region's burgeoning life sciences industry. Today LSSI connects high school students and science teachers with leading San Diego life sciences companies through three programs: the LSSI High School Student Research Program, the LSSI Teacher Program and the Introductory Life Sciences Experience (ILSE).

LSSI High School Student Research Program

Each year more than 300 high school students apply to LSSI for paid summer internship positions with San Diego's world-renowned life sciences institutions.

Student Program Details

- Weeklong "boot camp" covering topics like biotechnology laboratory skills, safety practices and soft skills
- Mentorship by a scientist and exposure to real-life science practices
- College credit for the bootcamp at both Grossmont and Miramar Colleges
- College prep units for their internship through UCSD Extension
- Micro-badge credential from UCSD Extension upon internship completion



Summer 2015 Results:

- 36 internships
- 36% continued working for the company where they interned
- 444 students have participated to date

LSSI Teacher Program

LSSI provides a professional development program for science teachers, exposing them to a new biotechnology lab curriculum called the [Amgen Biotech Experience](#). Designed by Amgen scientists and educators, ABE offers a solution to prepare more students with the STEM competencies necessary for careers in the modern workforce. At the end of the course, teachers are provided access to equipment and supplies necessary to implement the new curriculum in their classroom.



Teacher Program Details

- 6-day program with half-day externships at life sciences companies
- Training in career pathways
- Collaboration with other science teachers
- Access to loaner equipment and supplies through the SCBC at Miramar College

Summer 2015 Results:

- 36 teachers participated in 2015
- 212 teachers have participated to date
- 51,097 high school students impacted to date

For more information about LSSI, contact Erika Arangur , Project Coordinator, at (619) 228-2920 or Erika@workforce.org.

Introductory Life Sciences Experience (ILSE) Program: Student/Youth Information



What is the Introductory Life Science Experience (ILSE) Program?

The ILSE program aims to connect San Diego County out-of-school youth to explore the field of life science. The program will provide:

- 160 hours paid internship
- Assistance in obtaining a high school diploma or GED
- One-on-one Case Management services
- Work readiness skills training and workshops
- Assistance with enrolling into colleges or technical/vocational schools
- Assistance with finding valuable employment

General Target Population:

- Not enrolled in school, outside of Adult Education or GED schools
- Can be a high school or college dropout or graduate
- Living in high crime/ low income area
- May be currently or were in foster care
- May be pregnant or parenting

General Eligibility *:

- Right to Work in U.S.
- Must be between 17-24
- Must have valid Social Security Number
- Must qualify as Out-of-School Youth or low income, as defined by the Workforce Investment & Opportunity Act.
- All students must be positive and willing to put in effort to succeed in the program.
- Cannot be enrolled in current WIAO program.

* For detailed list of eligibility criteria, please email ilse@biocom.org or call 858-455-0300 x 4162.

What are the requirements after I am accepted into the program?

- Must participate in the mandatory workshops & trainings
- Must participate in and complete a 160 hour internship

Interested in participating in the ILSE Program?

Please email ilse@biocom.org or call 858-455-0300 x 4162