

*Discover the Stars Again...Teach.*

## If Not You, Then Who?

### **Our country—our California quality of life—requires more math and science teachers.**

California has slipped to the fifth largest economy in the world and will continue to be overtaken if we fail to address the shortage of new scientists, engineers and well-prepared technicians being produced by our educational system.

There is a significant shortage of math and science teachers in our schools and **ONLY YOU** can help!

- Each year California needs over 4,000 math and science teachers. However, less than 1,500 math and science teaching credentials are granted each year.
- Even if the state doubled production, it would fall short of demand by 1,000 teachers.
- The rise in retirements will likely exacerbate the problem over the next ten years.
- If every math baccalaureate became a math teacher, the state would still be short of the need by nearly 40%.

This gap can only be met if mid-career changers and retirees begin teaching once leaving industry. Your talent is needed to fill the gap in math and science teachers and technical training. This is vital to the current and future talent needs of California industry.

### **Who Sparked Your Interest in Becoming a Scientist, Engineer or Technician?**

For most of us it was a teacher! It takes just one teacher in a student's life to excite a life-long passion for math or science. For our students today, could that special teacher be you? Are you the one to transform a student's image of math and science as mandatory academic subjects into seeing the excitement and possibilities in the practical application of this knowledge?

### **Use Your Experience to Inspire The Future of California**

You have worked in the science and engineering "real world." You have the examples, stories, and credibility to inspire today's middle and high school students. You are the best one to introduce students to the tools they will need to be the builders, entrepreneurs, inventors and researchers our society will depend upon to solve today's problems and to make tomorrow better.



**Learn more by contacting:**

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**SEARCH**

california

Scientists & Engineers **Alternative Routes** to Certification & Hiring

## What is SEARCH?

The Scientists and Engineers—Alternative Routes to Certification and Hiring (SEARCH) is a program designed to assist mid-career changers in the science, math and engineering fields to become public school teachers in both academic and vocational subjects. It provides a “fast-track” approach to get talented professionals into the classroom.

The decreasing number of students interested in pursuing careers in the sciences, math and engineering is a significant national problem. In California specifically, the need for many well-educated technically-oriented professionals and a strong technical workforce is vital to support the research, development and production industries that fuel the state’s economy.

SEARCH was developed as part of a U.S. Department of Labor Regional Economic Development grant. Administered by the California Space Education and Workforce Institute (CSEWI), SEARCH is designed to assist mid-career changers and retirees to “re-cycle” their interest in engineering and the sciences by returning to the classroom to teach these subjects to following generations of students.

SEARCH is a partnership between CSEWI and Project Pipeline/ California Troops to Teachers and utilizes existing state-approved paths to help you to quickly become a highly qualified teacher. It is funded by the U.S. Department of Labor.

### Who is eligible to participate?

Participants must meet the following criteria to participate:

- Hold at least a bachelor’s degree from a regionally accredited college or university (Required to teach academic subjects); or
- Have at least five years experience in an appropriate technical field (Required to teach Career Education/technician training)
- Significant experience in math, science, engineering and/or as a professional technician.
- Anticipate a career change to teaching within the next two years.

## What can SEARCH do for me?

- Provide certification advisement and counseling
- Provide job referral and placement assistance
- Provide guidance on receiving financial assistance

### Certification Advisement

You will work one-on-one with a knowledgeable counselor to develop a custom plan on how to get you into a teaching position as quickly as possible. You will review state teaching credential requirements and explore options on how to meet these standards after being employed as a teacher.

### Job Referral and Placement Services

Your counselor will help you find employment. Additionally, you will be prepared for the unique nature of education interviews. Although SEARCH does not guarantee employment, it is successful in helping participants identify opportunities where they are hired.

### Guidance on Receiving Financial Assistance

Programs exist to help pay for certification through grants, awards, re-imbursements, loans and payroll deductions to make the costs of moving to a career in education manageable and minimally burdensome. Your counselor will help you learn of the options open to you.



## What are SEARCH options?

### Teaching Academic Subjects

- SEARCH provides assistance to mid-career changers/retirees who desire to teach math and/or science in grades 6 to 12.
- Science teachers will teach general science classes as well as classes in one of the following areas of emphasis: Physics: Chemistry: Earth and Planetary Science; or Biology/Life Science.
- Math teachers can earn a credential at the following levels: Foundational Math (number theory, algebra, geometry; and probability and statistics); and/or Full Math credential (includes Foundational Math subject competency plus Calculus and History of Math)
- With the right college major, you can start teaching after taking one basic skills test (reading, writing and arithmetic at or below the 10th grade level) and a few weeks of pre-service indoctrination. The remaining credentialing requirements will be completed while you are teaching.

### Teaching Future Technicians

- Career Education teachers usually teach high school students in technical subjects such as: electronics; air-frame & powerplant mechanics; computer maintenance & repair; computer assisted manufacturing; control system maintenance & repair; hybrid microelectronics; and over 200 more vocational subjects.
- With the right background, a participant can receive a Designated Subject Credential necessary to teach vocational subjects in just a few days. The SEARCH Counselor will show you how this is done.

[www.searchcalifornia.org](http://www.searchcalifornia.org)