The Cal Teach Program

- How can I improve math and science communication skills?
- How can I volunteer in K-12 classrooms?
- Is teaching for me?
- I think I want to teach. But how can I be sure?
- I want to teach. What now?
- How do I become a teacher?
Cal Teach Program Objective

• To recruit and prepare STEM majors to pursue middle or high school teaching

• To help you make informed decision about a career in teaching.
  – Experiences prior to entering a credential program.

FACT: There is a chronic shortage of math and science teachers in California and the nation.
What are the Cal Teach Internships?

• **Placement**
  – Local high schools and middle schools
  – Science and math classrooms

• **Cal Teach Courses (UCSC)**
  – Sequence:
    • CaT1, CaT2, CaT3, CaT4*, and Special Projects
  – 2-unit EDUC classes (CaT3 = 3 units)
  – Complementary placement
Cal Teach Course @ UCSC

Cal Teach Placement @ a Local School
Raising Student Questions
Final Poster Presentation

HOW FORCE AFFECTS VELOCITY

Performance Tasks:
- Build a bridge stronger than the standard provided
- Bridge must be able to support at least 500 grams of weight
- Be able to explain the scientific principles used in building the bridge

Course/Practical Questions:
- What are the different forces that affect the strength of a bridge?
- How does the shape of the bridge affect its strength?
- How does the material used in the bridge affect its strength?

Explanation:
- The bridge's strength is a result of the forces acting on it, including tension, compression, and shear forces.
- The shape of the bridge affects how it distributes these forces, with arches and vaults providing more stability.
- The material used in the bridge determines its durability and ability to withstand external forces.
Who are the internships for?

- Undergraduate Student
- Transfer Student

Major:
- Science
- Math
- Technology
- Engineering

Curious About Teaching

Cal Teach Internship
When are the internships offered?

<table>
<thead>
<tr>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
<th>Summer</th>
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<tbody>
<tr>
<td>CaT 1 (EDUC 50B/C)</td>
<td>CaT 1 (EDUC 50B/C)</td>
<td>CaT 2 (EDUC 100B/C)</td>
<td>Teaching Internships</td>
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<td></td>
<td>CaT 2 (EDUC 100B/C)</td>
<td>CaT3 (EDUC 185 L)</td>
<td>Research Internships</td>
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<td>CaT 4 * &amp; Special Projects*</td>
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*Experienced interns only

When should you begin the Cal Teach internship?

ASAP
What are the benefits?

• Math Education Track
  – Satisfy Supervised Teaching Requirement

• STEM Education Minor
  – 3 of 9 courses

• GE Requirement
  – Satisfy PR-S (Practice Service Learning)

• Invaluable communication and teaching skills

• Access to scholarships for a teaching career!
Becoming a Math Teacher

• Steps to becoming a teacher:

  - Bachelors Degree & Internship Experiences
  - Teacher Preparation Program (Includes: Student Teaching)
  - Teaching Career

• You need at least (to get into a credential program):
  - B.A., CBEST, CSET*, and classroom experience

*CSET Waiver= Subject Matter Program (See Handout)
Cal Teach Intern Resources

- Cohort of like minded students
- Cal Teach Lounge (JEBEB 173)
- Test Support (CBEST, CSET)
- Support System
- Study Groups
- Preparation for Credential Programs
- Letters of Recommendation
...And More!

• Reimbursements
  – CBEST and Fingerprinting
• Access to Funding
  – NSF Noyce Scholarship
    • $20,000 or More*
  – Mark Bruce Fellowship
    • $1,000 - $20,000
  – Internship Scholarships
    • $150 - $600
• Year round Cal Teach Events

*For some transfer students
Important Dates

- Plan for CaTI Fall 2014
  - Deadline in May

- Intern Panels
  - March through May

- Next CBEST Exam
  - January 11, 2014

- MA/Credential Program
  - UCSC Application Deadline
    - January 15, 2014
  - Most Programs’ Application Deadline
    - Between January & March
Thank You!

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