



The Mathematics and Science Teacher Initiative (MSTI) at California State University, Fresno announces...

Mathematics and Science CSET Workshops & Teaching Methods Courses for Prospective Mathematics and Science Teachers

Spring 2020

The Mathematics and Science Teacher Initiative (MSTI) at California State University, Fresno (funded by a grant from the CSU Chancellor's Office) is pleased to announce the availability of **FREE, interactive, online mathematics and science CSET courses and workshops** for Spring 2020! Below and on the next two pages, you will find information about these courses/workshops, as well as about Single Subject mathematics and science teaching credentials.

Visit the **MSTI website** for updates: www.fresnostate.edu/teachmathscience

Please contact the MSTI Director, Dr. Carol Fry Bohlin, with any questions: carolb@csufresno.edu

Single Subject Mathematics and Science Credentials

A Single Subject (SS) Teaching Credential authorizes the holder to teach in a departmentalized public school setting at any grade level, but the typical placement is in a middle or high school. Initial teaching credentials can be earned in conjunction with a bachelor's degree or (more typically) at any time after graduation. Visit www.fresnostate.edu/kremen for instructions on applying to the credential program at Fresno State. For details on the Single Subject credential program, visit www.fresnostate.edu/kremen/applications/ssreqs.html

If you are a prospective SS credential student who didn't take a state-approved subject matter preparation program for math or science teachers at a college/university, you will need to pass CSET subtests (www.cset.nesinc.com/) to demonstrate subject matter competency in math or science. You will also need to take the CSET subtests if you wish to add a Single Subject math and/or science credential to an existing Multiple or Single Subject credential. Also required is a related teaching methodology course. See below for more details on Single Subject mathematics and science credentials.

- **Foundational-Level Mathematics (FLM):** Allows you to teach algebra, geometry, probability, statistics, integrated math, and general math at any grade level, but is intended primarily for those who wish to teach middle school math – Algebra I and below.

Holders of Single Subject credentials (in an area other than math) and Multiple Subject credentials need to pass CSET: Mathematics Subtests I and II (#211 and 212) plus take a Single Subject math teaching methods course (e.g., CI 161).

- **Mathematics:** Allows you to teach courses through AP Calculus. Single Subject–Mathematics credential students need to pass CSET: Math Subtests I, II, & III (#211-213) if a CTC-approved math subject matter preparation program has not been taken. Others (MS or SS teachers/credential students) must pass either these three subtests or take prescribed math coursework. All must take a Single Subject mathematics methods course such as CI 161 (Fall 2020; Class #74668; Wednesdays 5:30-8:20 p.m.). CI 161 course prerequisites include passing at least one of the CSET math subtests (or prescribed coursework). For further guidance, please contact one of the mathematics credential program advisors: Drs. Rajee Amarasinghe (ramarasi@csufresno.edu), Lance Burger (lburger@csufresno.edu), or Agnes Tuska (agnest@csufresno.edu).

- **Foundational-Level General Science (FLGS):** Allows you to teach introductory and general science, introductory life science, and introductory physical science in grades K-12, as well as integrated science in grades K-8. Single Subject and Multiple Subject credential holders must pass CSET: Science Subtest I (#215) and take a Single Subject science teaching methods course (e.g., CI 161).

- **Science:** Allows you to teach introductory life and general science; integrated science I, II, III; and either (a) biology/life science (**biology** option), (b) earth and planetary science (**earth sciences** option), (c) chemistry (**chemistry** option), or (d) physics (**physics** option).

To teach science, you must take a CTC-approved university-based subject matter program in a particular content area of science OR pass CSET: Science Subtest I (General Science) and CSET: Science Subtest II in a desired science content area plus enroll in a SS credential program. If you already have a (non-science) credential, you just need to take Subtests I-II and also a science methods course such as CI 161/Science (Fall 2020 – class #74956; Thursdays, 4:00 p.m.-6:50 p.m.). Holders of one SS science credential are encouraged to add at least one other area of science to increase employment options. Additional authorizations can be added by passing Subtest II in other areas of science. Prospective science teachers should make an appointment to talk with the SS Science Credential Coordinator, Dr. David Andrews, at davidan@csufresno.edu or Single Subject Credential Advisor, Dr. Jaime Arvizu, at jaimea@csufresno.edu

Free Online CSET Courses/Workshops!

MSTI wants to serve as many teachers as possible throughout California, so we are offering our courses/workshops online and free of charge! These courses/workshops are offered in a live, interactive format in partnership with StudentNest. The teachers are all experienced professional educators and highly effective online instructors. They often provide participants with resources and class notes. Each session is recorded. Following each class, participants receive a link to access this **recording** so that selected topics can be reviewed if desired. **Credentialed teachers and Fresno State students** can have **CSET fees reimbursed** after applying for their new teaching authorization through Fresno State’s credential office. Contact Alyssia Aguilar for the required form and more information: alaguilar@csufresno.edu

MSTI's CSET: Mathematics Subtests I, II, III Spring Courses

- **Instructor:** Dr. Stefaan Delcroix (sdelcroix@csufresno.edu)
- **Time:** 5:30 p.m. - 8:30 p.m. • **Location:** Cyberspace • **Registration:** <http://tinyurl.com/MSTIParticipantForm>

CSET: Mathematics Subtest I Overview (Algebra)

- **Dates (2020):** February 3, 6, 10, 13, 20, 24, 27; March 2 (Mondays and Thursdays)

CSET: Mathematics Subtest II Overview (Geometry; Probability/Statistics)

- **Dates (2020):** March 9, 12, 16, 19, 23, 26, 30; April 2 (Mondays and Thursdays)

CSET: Mathematics Subtest III Overview (Calculus and the History of Mathematics)

- **Recordings of Subtest III can be emailed to you, please register using the link above to obtain the links**

Note 1: Visit <https://tinyurl.com/CSET-Math> for more information about these tests.

MSTI's CSET: Science Subtests I-II Spring/Summer Workshops

Registration: To register for the online CSET Science Workshops, please complete the MSTI Participant Information Form at <http://tinyurl.com/MSTIParticipantForm> and also contact the CSET Science Workshop Coordinator, Dr. Brad Huff, at bradh@csufresno.edu, so he can provide you with the details about the workshop(s) you are interested in.

CSET: Biology, Chemistry, Earth & Planetary Science, General Science, & Physics Workshops

- **Instructors:** Dr. Brad Huff, Mrs. Kelly Rexelle, and Dr. David Tinker
- **Note:** The link for each online workshop will be sent no later than the day before the workshop, so please make sure to check your email. If you don’t receive the link, email Dr. Huff (bradh@csufresno.edu).

Spring/Summer 2020 (Saturdays)	Times	Topic(s)	Presenter(s)
March 7, June 6	8 a.m. – 4:30 p.m.	Review for General Science Subtest I (test code 215)	Huff, Rexelle, Tinker
March 14, June 13	8 a.m. – 3 p.m.	Life Sciences for those needing more review for Subtest I (215) and those wanting to prepare for Subtest II (217)	Rexelle
March 21, June 20	8 a.m. – 12 p.m. 12:30 p.m. – 4:30 p.m.	Chemistry for those needing more review for Subtest I (215) and those wanting to prepare for Subtest II (218) Earth and Space Sciences for those needing more review for Subtest I (215) and those wanting to prepare for Subtest II (test code 219)	Tinker
March 28, June 27	8 a.m. – 3 p.m.	Physics for those needing more review for Subtest I (215) and those wanting to prepare for Subtest II (test code 220)	Huff

~ Additional MSTI Support for Prospective Math and Science Teachers ~

CSET Information

The CSETs are computer-based tests that are available by appointment, year-round, Monday through Saturday (excluding some holidays). The two testing centers closest to Fresno State are both Pearson Professional Centers: (1) Fresno: 7555 N. Palm Avenue Suite 205, 93711 & (2) Visalia: 5300 West Tulare Ave. Ste. 108, 93277.

- *To register*, visit the **CSET Web site**: <http://www.cset.nesinc.com/>
- **Science Subtest Information**: <https://tinyurl.com/CSET-Science-Info>
- **Mathematics Subtest Information**: <https://tinyurl.com/CSET-Math>

CSET and CTC Credential Application Fee Reimbursements

Fee reimbursements are available for Fresno State students and all currently credentialed teachers who apply for their mathematics or science credential(s) through Fresno State. To process the **CSET fee reimbursement**, the following are required: a copy of your CSET receipt(s), a copy of your official test score(s), and our invoice form (<http://bit.ly/ReimbForm>). MSTI will reimburse up to two attempts per subtest.

For current teachers, your CSET subtest fee reimbursements will be processed along with your \$100 **CTC credential application fee reimbursement** after you have passed the applicable CSETs and related teaching methodology course (the course doesn't have to be taken at Fresno State, but must be CTC-approved). Applying for your additional credential simply requires submitting the paperwork (<http://bit.ly/MSTI-CredAppForm>) to Alyssia Aguilar *rather than* submitting it directly to CTC or to an LEA such as a County Office of Education. You can either bring the materials to Alyssia (Room 156 in the Kremen Education building on the Fresno State campus) or mail them to her at 5005 N. Maple Ave., M/S ED 2, Fresno, CA 93740-8025. If you have any questions about eligibility requirements for CSET or CTC credential fee reimbursements, please contact Alyssia at alaguilar@csufresno.edu

Professional Support

In addition to the free online CSET workshop series and reimbursement for CSET and credential application fees, MSTI offers **free membership in a professional association** (CMC or CSTA) for students enrolled in a math or science methods course (CI 175, CI 176, or CI 161), plus considerable support for in-state **conference** (e.g., CMC, CSTA, CUE, CA STEAM Symposium) **attendance** for Fresno State students! Contact Dr. Carol Fry Bohlin for more information: carolb@csufresno.edu.