



*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 2017** _____

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, online, interactive science CSET workshop series** for Spring 2017! Below and on the next 2 pages, you will find information about Single Subject mathematics and science teaching credentials and the online workshop series.

Visit the **MSTI Web site** 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 either two (for the FLM or FLGS credential) or three (for a full math or science credential) 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 math 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 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 an FLM teaching methods course. At Fresno State, this class is CI 161/FLM offered in the Spring Semester 2017(class #35585) on Thursday's from 5:30 p.m. - 8:20p.m. Contact Administrative Assistant Alyssia Aguilar if you are interested in taking this course: alaguilar@csufresno.edu Those desiring a full credential in mathematics--see below--need to take CI 161/Math in Fall 2017 and also contact a mathematics education advisor.

- **Mathematics:** Allows you to teach courses through AP Calculus. Single Subject–Math 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 prescribed coursework plus take CI 161/ Math (offered each fall). CI 161 course prerequisites include passing at least one of the CSET math subtests. 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 Subtests I and II (#118 & 119) and take CI 161/ FLGS, which will be offered in Spring 2017 (class #34218) on Thursdays from 4:00 p.m. - 6:50 p.m. Email alaguilar@csufresno.edu if interested.

• **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 Subtests I and II (General Science) and CSET: Science Subtest III in a desired science content area plus enroll in a SS credential program. If you already have a (non-science) credential, you need to take Subtests I-III and also CI 161/Science. 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 III in other areas of science. Prospective science teachers should make an appointment to talk with the SS Science Credential Advisor, Dr. David Andrews: 278-5173.

Free Online CSET Workshops!

MSTI wants to serve as many teachers as possible throughout California, so we are offering these workshops online and free of charge! The workshops are offered in an interactive, online format in partnership with StudentNest. The teachers are all experienced professional educators and highly effective online instructors. Each workshop is recorded. Following the workshop, you will receive a link to access this **recording** so you can review selected topics again on your own. If you are already a credentialed teacher or a student at Fresno State, you can have your **CSET fees reimbursed**, too! Contact Alyssia Aguilar for the required form: alaguilar@csufresno.edu

MSTI's CSET: Mathematics Subtests I-II Workshops

Registration and Fees: During this academic year, we are piloting new online versions of our MSTI CSET workshops and offering them free of charge! MSTI also offers reimbursement of your CSET fees! Contact Alyssia Aguilar for the required forms: alaguilar@csufresno.edu

CSET: Mathematics Subtest I Overview (Algebra)

- **Instructor:** Dr. Stefaan Delcroix (sdelcroix@csufresno.edu)
- **Dates (2017):** Mondays: January 9, 23, 30; February 6, 13, 27; March 6, 13
- **Time:** 5 p.m. - 8 p.m.
- **Location:** Cyberspace
- **Registration:** Complete the "MSTI Participant" information form located at <http://tinyurl.com/MSTIParticipantForm> Questions? Email Alyssia Aguilar at alaguilar@csufresno.edu

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

- **Instructor:** Dr. Stefaan Delcroix (sdelcroix@csufresno.edu)
- **Dates (2017):** Mondays: March 20, 27; April 3, 17, 24; May 1, 8, 15
- **Time:** 5 p.m. - 8 p.m.
- **Location:** Cyberspace
- **Registration:** Complete the "MSTI Participant" information form located at <http://tinyurl.com/MSTIParticipantForm> Questions? Email Alyssia Aguilar at alaguilar@csufresno.edu

Note: visit www.ctcexams.nesinc.com/test_info_CSET.asp?t=211 for more information about these tests.

MSTI's CSET: Science Subtests I-III Workshops

Registration: To register for the online CSET Science Workshops, please (a): 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, Ms. Kelly Sullivan, 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 2017 Dates (Saturdays)	Times	Topic(s)	Presenter(s)
January 28 (and February 25 & June 17)	8 a.m. – 4:30 p.m.	Review for General Science Subtest I and II (118 and 119)	Huff, Sullivan, Tinker
March 4 (and June 24)	8 a.m. – 3 p.m.	Biology for those needing more review for 119 and those wanting to prepare for Subtest 120	Sullivan
March 18 (and July 15)	8 a.m. – 12 p.m. 12:30 p.m. – 4:30 p.m.	Chemistry for those needing more review for 119 and those wanting to prepare for Subtest 121 Earth & Planetary Science for those needing more review for 118 and those wanting to prepare for Subtest 122	Tinker
March 11 (and July 2)	8 a.m. – 3 p.m.	Physics for those needing more review for 118 and those wanting to prepare for Subtest 123	Huff

~~ Additional MSTI Support for Prospective Math and Science Teachers ~~

CSET: 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: www.cset.nesinc.com

Science Subtest Information: www.ctcexams.nesinc.com/test_info_CSET.asp?t=119

Mathematics Subtest Information: www.ctcexams.nesinc.com/test_info_CSET.asp?t=211

CSET Fees: MSTI will reimburse your test fees! We'll need a copy of your receipt, a copy of your official test score(s), and our invoice form (obtain from Alyssia Aguilar: alaguilar@csufresno.edu). MSTI will reimburse up to two attempts per subtest (i.e., you can fail the first attempt and we will still reimburse your fee).

Fee reimbursements are available for all credentialed teachers, for Multiple Subject teaching credential candidates at any university, and for all Fresno State students. (If you have any questions about eligibility, please contact Alyssia.)

Applying for your Credential: MSTI will **reimburse your credential application fee** unless you are currently earning (or are planning to earn) a Single Subject teaching credential through another institution. For all others, it is VERY important that you apply for your credential through Sherri Nakashima's office in the Kremen Education building, Room 100 (8 a.m.-5 p.m., M-F during the Academic Year and 7:30 a.m.-3:30 p.m. during the summer) once you have passed the necessary CSET subtests and related teaching methodology course (if required).

Please visit the MSTI website for the required application and reimbursement forms (under “CSET Workshops//Forms” on www.fresnostate.edu/teachmathscience).

Sherri's email address is sherrin@csufresno.edu if you have any questions about applying for your credential. This is the only “compensation” we request in return for the CSET fee reimbursements and free workshops. Request the application form from Alyssia Aguilar: alaguilar@csufresno.edu (Note: Your final CSET subtest fee reimbursement will be processed along with your CTC credential application fee reimbursement.)

Professional Support: In addition to the free online CSET workshop series and reimbursement for CSET and credential application fees, MSTI provides **free memberships in professional associations** (CMC and CSTA) for students enrolled in math and science methods classes (CI 161), plus considerable **conference support** (CMC, CSTA, CUE, etc.) and **scholarships** for a variety of **workshops and institutes** for Fresno State credential students! Contact Dr. Carol Fry Bohlin for more information: carolb@csufresno.edu

COMET: All MSTI workshop/course participants can receive a free subscription to the publication, “California Online Mathematics Education Times” (COMET). Check out back issues at <http://comet.cmpso.org/>

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If you have any questions, please feel free to contact Dr. Carol Fry Bohlin, Professor and Director, Mathematics and Science Teacher Initiative (MSTI), California State University, Fresno: carolb@csufresno.edu or (559) 999-3188 (cell). For updates, please visit www.fresnostate.edu/kremen/teachmathscience/

Rev. CFB • 8.30.2016