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*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**

Summer and Fall 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, interactive, online mathematics and science CSET courses and workshops** for Summer and Fall 2017! Below and on the next three pages, you will find information about Single Subject mathematics and science teaching credentials and these courses/workshops.

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 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, which will be offered during Spring Semester 2018 (most likely on Thursdays from 5:30 p.m. - 8:20 p.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 take prescribed math coursework plus take CI 161/Math offered Fall 2017 on Wednesdays from 5:30 p.m. - 8:20 p.m. (Class #: 74936). 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), Jenna Tague (jtague@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 CI 161/ FLGS, which will be offered again in Spring 2018 (most likely 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 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 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 II in other areas of science. Prospective science teachers should make an appointment to talk with the SS Science Credential Advisor, Dr. David Andrews: (559) 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-III Summer Workshops

CSET: Mathematics Subtest I Overview (Algebra)

- **Instructor:** Dr. Stefaan Delcroix (sdelcroix@csufresno.edu)
- **Dates (2017):** July 6-7, 10-14, 17
- **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):** July 18-21, 24-27
- **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 III (Calculus and the History of Mathematics)

- **Instructor:** Dr. Adnan Sabuwala (asabuwala@csufresno.edu)
- **Dates:** June 26, 28-30; July 5-7, 10, 12-14
- **Time:** 3:30 p.m. - 6:30 p.m.
- **Location:** Cyberspace
- **Registration Link:** <http://tinyurl.com/MSTIParticipantForm>

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

MSTI's CSET: Mathematics Subtests I-III Fall Workshops

CSET: Mathematics Subtest I Overview (Algebra)

- **Instructor:** Dr. Stefaan Delcroix (sdelcroix@csufresno.edu)
- **Dates (2017):** (Mondays and Thursdays) September 7, 11, 14, 18, 21, 25, 28 and October 2
- **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 and Thursdays) October 12, 16, 19, 23, 26, 30 and November 2, 6
- **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

MSTI's CSET: Science Subtests I-III Summer and Fall 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, 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).

Summer and Fall 2017 Dates (Saturdays)	Times	Topic(s)	Presenter(s)
June 17 September 9 October 28	8 a.m. – 4:30 p.m.	Review for General Science Subtest I (test code 215)	Huff, Sullivan, Tinker
June 24 September 16 December 2	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)	Sullivan
July 15 September 23 December 9	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
July 2 September 30	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**: www.cset.nesinc.com
- **Science Subtest Information**: www.ctcexams.nesinc.com/test_info_CSET.asp?t=217
- **Mathematics Subtest Information**: www.ctcexams.nesinc.com/test_info_CSET.asp?t=211

CSET and CTC Credential Application Fee Reimbursements

Fee reimbursements are available for Fresno State students AND all currently credentialed teachers who apply for their math or science credential(s) through Fresno State.

To process your **CSET fee reimbursement**, we'll need a copy of your CSET receipt(s), a copy of your official test score(s), and our invoice form (<http://bit.ly/CSET-CTCReimbursementForm>). MSTI will reimburse up to two attempts per subtest. (You can fail the first attempt, and we will still reimburse your fee.)

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/CredentialApplication>) to our credential analyst, Sherri Nakashima, *rather than* sending it directly to CTC or to an LEA such as a County Office of Education. You can either bring the materials to Sherri (Room 100 in the Kremen Education building on the Fresno State campus; summer hours are 7:30 a.m.-3:30 a.m.; academic year hours are 8 a.m. – 5 p.m.). If you have any questions about eligibility requirements for CSET or CTC credential fee reimbursements, please contact Alyssia Aguilar at alaguilar@csufresno.edu

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

All MSTI workshop/course participants can receive a free subscription to the publication, "California Online Mathematics Education Times" (**COMET**). To view/search the COMET archives, please visit <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/