



*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 & Fall 2022, Spring 2023** •

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 2022! 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: <https://kremen.fresnostate.edu/centers-projects/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 <https://kremen.fresnostate.edu> for instructions on applying to a credential program at Fresno State. For details on the Single Subject Teaching Credential program, visit <https://kremen.fresnostate.edu/teaching-credential/singlesubject/>

If you are a prospective SS credential student who didn't take a CTC-approved subject matter preparation program for math or science teachers at a college/university or who didn't major in mathematics or a science area such as biology, you may need to take the CSET (<https://www.ctcexams.nesinc.com/>). You may also need to take the CSET subtests and a teaching methods course if you wish to add a Single Subject math and/or science credential to an existing Multiple or Single Subject credential. 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 generally need to pass CSET: Mathematics Subtests I and II (#211 and 212) plus take a Single Subject mathematics teaching methods course (e.g., CI 161 at Fresno State).
- **Mathematics:** Allows you to teach courses through AP Calculus. Single Subject–Mathematics credential students need to pass CSET: Math Subtests I, II, and III (#211-213) or take comparable coursework. Others (MS or SS teachers/credential students) need to pass these three subtests or take a combination of tests and math coursework. All must take a Single Subject mathematics methods course such as CI 161 (Fall 2022; 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: Lance Burger (lburger@csufresno.edu), Yao Lu (yaomingxinlu@mail.fresnostate.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 generally need to pass CSET: Science Subtest I (#215) if comparable coursework hasn't been taken 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 space sciences (earth sciences option), (c) chemistry (chemistry option), or (d) physics (physics option).

To teach science, you need to demonstrate subject matter competence by taking appropriate coursework and/or 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 2022; Wednesdays, 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 Dr. Ali Hansen at akhansen@mail.fresnostate.edu or 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, class notes, and presentation files. Each session is recorded. Participants receive a link to access this recording so that selected topics can be reviewed if desired. Fresno State students can have CSET fees reimbursed after applying for their new teaching authorization through Fresno State's credential office.

MSTI's CSET: Mathematics Subtests I, II, & III Courses for Summer/Fall 2022 and Spring 2023

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

Mathematics Subtest I Overview (Algebra)

- **Dates (Summer 2022 series)** – July 5, 6, 7, 11, 12, 13, 14, 18
- **Dates (Fall 2022 series)** – September 19, 22, 26, 29; October 3, 6, 10, and 13 (Mondays and Thursdays)

Mathematics Subtest II Overview (Geometry; Probability/Statistics)

- **Dates (Summer 2022 series):** July 25, 26, 27, 28; Aug. 1, 2, 3, 4
- **Dates (Fall 2022 series):** October 24, 27, 31; November 3, 7, 10, 14, 17 (Mondays and Thursdays)

Mathematics Subtest III Overview (Trigonometry and Calculus)

- **Dates (Spring 2023 series):** January 18, 25; February 1, 8, 15, 22; March 1, 8, 15, 22, 29 (Wednesdays)

CSET: Science Subtests I & II Workshops for Summer/Fall 2022 and Spring 2023

Registration: Complete <http://tinyurl.com/MSTIParticipantForm> and contact Dr. Brad Huff, the CSET Science Workshop Coordinator, at bradh@csufresno.edu no later than **noon** the day before the workshop(s) of interest so he can provide the link and handouts for the workshop(s).

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

CSET: Biology, Chemistry, Earth & Space Sciences, General Science, & Physics Workshops

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

2022-23 (Saturdays)	Times	Topic(s)	Presenter(s)
June 4, Sept. 10, Oct. 22 February 25, June 3	8 a.m. – 4:30 p.m.	Review for General Science Subtest I (test code 215)	Huff, Schiefer, Tinker
June 11, Sept. 17, Nov. 5 March 11, June 10	8 a.m. – 4:30 p.m.	Life Sciences for those needing more review for Subtest I (215) and those wanting to prepare for Subtest II (217)	Schiefer
June 18, Sept. 24, Dec. 3 March 18, June 17	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
June 25, Oct. 1, Dec. 10 March 25, June 24	8 a.m. – 5:30 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 ~

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. Seats are in short supply, so be sure to register early!

- *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 all who apply for a mathematics or science credential/authorization through Fresno State's credential office. To process the **CSET and CTC fee reimbursement**, the following are required: a copy of your CSET and CTC credential application payment receipt(s), a copy of your official test score(s), and our invoice form (https://bit.ly/CSET-CTC_ReimbursementForm). MSTI will reimburse up to two attempts per subtest.

Professional Organization Membership and Conferences

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** (CASE, CMC, NCTM, or NSTA) for students enrolled in a math or science methods course (CI 175, CI 176, or CI 161) at the instructor's request. Registration fee payment for in-state or **virtual conferences** (e.g., CMC, CSTA, CUE, CA STEAM Symposium) for Fresno State students is also possible! Contact NeFesha Yisra'el for more information: nefesha@mail.fresnostate.edu

COMET

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

Please feel free to contact MSTI Director (Dr. Carol Fry Bohlin, carolb@mail.fresnostate.edu) or the MSTI Executive Assistant, (NeFesha Yisra'el, nefesha@mail.fresnostate.edu) with any questions, and also visit our website at <http://csufresno.edu/teachmathscience> for updates.