

Academic Assistance and Tutoring Centers 2017-2018 Annual Review

2205 Dutton Hall (530) 752-2013 tutoring.ucdavis.edu March 25, 2019



About AATC

The Academic Assistance and Tutoring Centers is a large centralized academic support unit in Student Affairs. We provide an inclusive and interactive learning environment where students participate in reinforcing and retaining knowledge in multi-disciplinary writing, math, and science subjects through co-curricular academic services including classes, workshops, office hours, content reviews, drop-in tutoring, a writing studio, and writing appointments. AATC consists of 20 professional staff and 340 undergraduate BX tutors and readers and student assistants. The Math Diagnostic Testing Project is a program in AATC that supports math testing in K-12 California schools. AATC's administrative support team provides payroll and human resources assistance as well as program information for students and staff. <https://tutoring.ucdavis.edu>

CORE PURPOSE

The Academic Assistance and Tutoring Centers exists to help undergraduate students thrive at UC Davis and beyond. We provide an inclusive and interactive environment where students participate in reinforcing and retaining knowledge in multi-disciplinary writing, math and science through co-curricular academic services provided by both professional staff and peer tutors. **We strive to support students in developing the academic competence and confidence that will empower them to succeed at UC Davis.**

THEORETICAL FRAMEWORK

AATC works from a student-centered lens using psychology and academic learning theory and practice to guide our work with students.

Zone of Proximal Development and Scaffolding

The difference between what students can do without help, and what students can do with academic support.

AATC served
30.41%
of all undergraduates
enrolled 2017-18



2017-18 Annual Usage Data Snapshot

8,906 Distinct Students/88,318 Visits

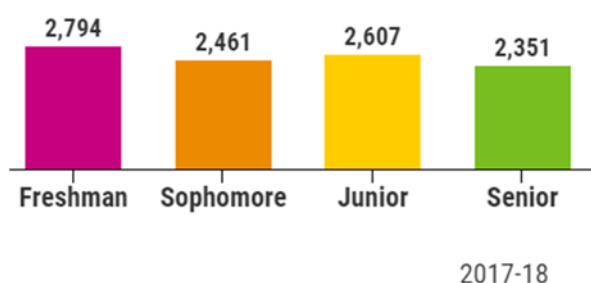
- Courses and Workshops
- Drop-in tutoring
- Tutoring for Programs
- Writing Appointments

2,250 Distinct Students/36,881 Visits
 4,918 Distinct Students/27,672 Visits
 1,269 Distinct Students, 10,686 Visits
 3,927 Distinct Students, 13,065 Visits

Any student may be counted under multiple functional areas

About AAT STUDENTS

Who is using AAT Services?



About AAT

18% of students using AAT services are transfer students



With extensive outreach to URM, first-generation, and low-income students, AATC uses available data to create an equitable and inclusive learning support environment. In comparison with campus demographics, we have shown that we are making progress towards increasing access.

About AAT STUDENTS

One year growth in use by students of Hispanic Decent: **7.7%**



About AAT

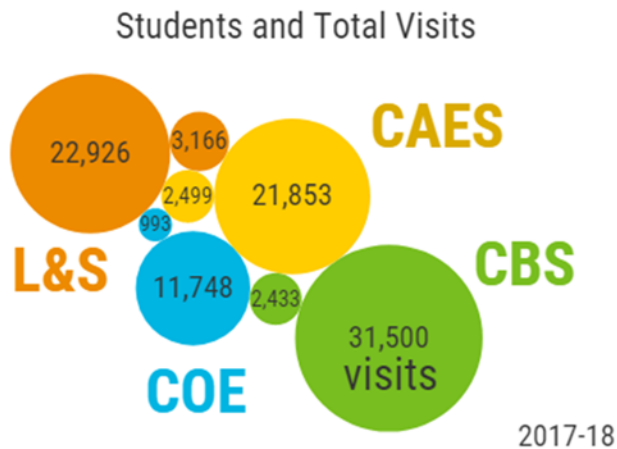
Students using AAT services come from diverse racial and ethnic backgrounds

2017-18

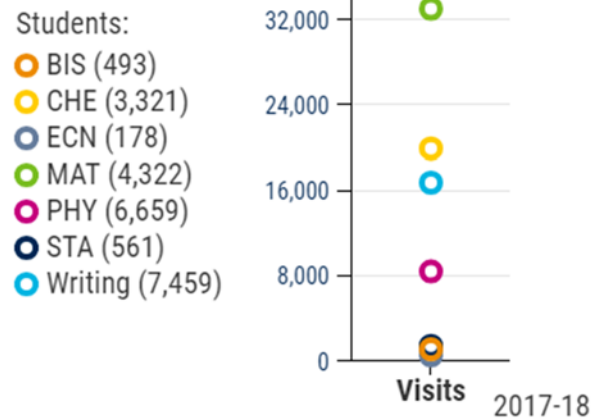


2017-18 Annual Usage Data Snapshot

Usage by College



Usage by Subject Area



Math Diagnostic Testing Project

MDTP is an intersegmental statewide project funded by the California State University, the University of California, and The California Academic Partnership Program. The program develops, distributes, scores, and reports the results of tests that measure student readiness for mathematics courses ranging from pre-algebra to calculus. The UC Davis site serves seven California Counties and over 100 schools.

MDTP Goals:

- Helps California's teachers better prepare students for future study in mathematics
- Identifies topics and skills needed for success in mathematics
- Brings secondary, college, and university faculty together for cooperative discussions about mathematics education

Staff: Program Coordinator, Julie Mustard

Math and Science Support Center

The Math and Science Support Center provides services offered by professional academic specialists who emphasize the course material covered in class to enhance the students' level of understanding and application of content learned in support of campus student learning outcomes of problem solving and quantitative literacy.

Courses supported include workload math, calculus, pre-calculus, linear algebra, differential equations; general and classical physics; statistics for any undergraduate course; workload chemistry, general chemistry, and organic chemistry.

- 1) Pre and Concurrent Classes:** Taught by our professional staff, the courses are designed for underrepresented, first-generation, and low-income students. These include skills instruction in college algebra, pre-calculus, pre-physics and pre-chemistry as well as concurrent classes to support students taking calculus, chemistry, and physics.
- 2) Workshops in Chemistry, Math, Physics, and Statistics:** The workshops offer students practice working the types of problems they will encounter on homework and exams as well as a smaller setting to ask questions.
- 3) Instructor/Specialist Office Hours:** Provided by professional staff, problem solving is stressed in office hours with small groups of students. Office hours are often located in campus retention centers to increase access to services.
- 4) Special Transitional Enrichment Program:** Academic instruction in Math is provided for the summer bridge program to help prepare students for fall courses.
- 5) Online Summer Math Jump Start Program:** Working with the Department of Mathematics and the Center for Educational Effectiveness, incoming freshman are invited to participate in a 6-week, entirely online, preparatory program for fall math courses. Students receive access to adaptive learning software, individual appointments with Math Specialists, content videos prepared by AATC, and online office hours for math and transitional support.



Problem solving groups in a co-math 21a class

HIGHLIGHTS:

- Math and Science Specialists taught 53 sections of pre and co-courses with a total enrollment of 1150 Students and offered 51 sections of workshops serving over 1200 students.
- Students participating in Online Math Jumpstart who re-tested, improved math placement scores by 15 points on average.

Staff: Director Math and Science Support Center, Sara Hawkes

Math and Science Specialists: Grant Acosta, Casey Davis, Emily Malcolm-White, Edna Lamsen, Dr. Brandon Bogusz, Jennifer Healey, Mariya Jones, Drew Daniels, Duff Harrold

Writing Support Center

The Writing Support Center addresses the writing needs of undergraduate students. The writing specialists have expertise in approaching writing as a process, assisting in citation styles, and helping students recognize plagiarism. The goal of the writing team is to provide a learning environment where writing skills are practiced and the writer is more important than the paper.

The Writing Support Center supports students enrolled in the Undergraduate Writing Program (UWP), workload writing, and writing for any undergraduate course.

- 1) **Writing appointments:** Students can sign up for a writing appointment with a professional writing specialist using the online campus OASIS appointment system.
- 2) **Writing Studio:** Launched in October of 2017, tutors and specialists work in the Writing Studio to help students with the process of composing essay and other texts. This is a place where students can drop-in, ask questions, and practice writing.
- 3) **Education 98 Classes:** The Writing Support Center has received approval for unit-bearing courses from the School of Education to facilitate a reading/writing group in the strategic initiative centers to build a writers' community in 2018-19.
- 4) **Workshops:** Writing Specialists provide workshops on specific writing topics in faculty classes and programs.
- 5) **Aggie Grammar Guide:** Created by the Writing Specialists, this online writing resource is available to all students at <https://tutoring.ucdavis.edu/agg>
- 6) **Special Transitional Enrichment Program:** Writing Specialists provide writing instruction to students in the summer bridge program to help prepare students complete the Entry Level Writing Requirement.



Exterior of the new Writing Studio, which was launched in 2017

HIGHLIGHTS:

- Special projects
 - Work in partnership with the Strategic Retention initiative centers
 - Partnering with classes to deliver programming like BIS 102
- Pre-graduate writing
 - In partnership with programs like Health Professions Advising, the pre-graduate specialist helps with personal statements as well as applications
- Outcomes, objectives, goals
 - By using the Writing Support Center, students will see revision as a process and develop skills to address the local and/or global in the writing process, see help seeking as a strength rather than a weakness, and recognize their agency as academic writers joining an academic conversation that is comprised of a number of different audiences

Staff: Director, Writing Support Center, Dr. Kevin Sitz

Writing and ELL Specialists: Bridget Mabunga, Dr. Heather Sturman, Dr. Ariel Loring, Elizabeth Chuchel, Matthew Barrett

Tutoring Services

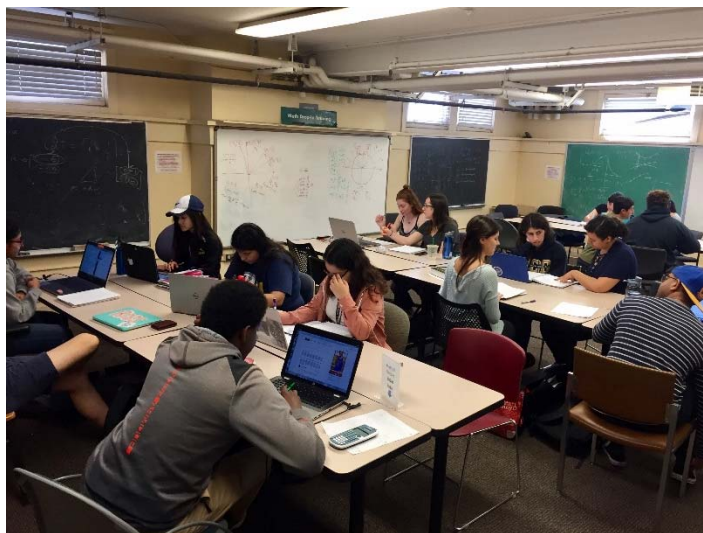
AATC provides a centralized campus peer tutoring program for undergraduate students. Tutoring Services hires 340 undergraduate union tutors to provide academic support to thousands of students.

Academic support through tutoring serves students enrolled in 100 level biology; general and organic chemistry, workload chemistry; micro and macroeconomics; workload math, calculus, pre-calculus, linear algebra, differential equations; general and classical physics; statistics for any undergraduate course; Undergraduate Writing Program (UWP), workload writing, and writing for any undergraduate course.

1) Drop-In Peer Tutoring: This popular tutoring service provides an opportunity for students to drop in and ask questions, study with tutors and staff available, and practice problem solving to support course work.

2) Residence Hall Peer Tutoring: Student Housing hosts chemistry, math, and writing tutoring services at the Segundo, Tercero, and Cuarto service locations four evenings a week.

3) Individual and Program Peer Tutoring: Individual and specialized tutoring is offered to programs that provide the AATC funding to support tutoring in over 200 different courses. Current individual tutoring programs are Intercollegiate Athletics (ICA), TRiO, STEP, Leadership in Engineering Advancement, Diversity and Retention (LEADR), Mechanical and Aerospace Engineering (MAE), Center for African Diaspora & Student Success (CADSS), Center for Chicana/Latinx Academic Student Success (CCLASS), and Native American Student Success Center (NASSC).



Tutors working with students in the math drop-in room

4) Content Review Sessions: Review sessions led by undergraduate peer tutors that review specific topics and then provide practice exercises to build problem-solving skills in a specific subject. Reviews are offered in the MAT 17 and 21 series as well as the CHE 2 and 118 series.

HIGHLIGHTS:

- Tutoring Services hired 340 tutors in 2017-18
- Received 1,695 applications for tutoring positions
- 272 Tutor job discussions were held for applicants

Staff: Director Tutoring Services, Inez Anders

Tutor Specialist: Nicholas Cumpian

340 Undergraduate Tutors, 10 Undergraduate Readers, 5 Student Assistants

STUDENT VOICES

- **1500 student surveys collected annually**
- **90.5% of students surveyed agree they are satisfied with the assistance received in the AATC**
- **84.5% of students surveyed feel more confident about approaching assignments after visiting the AATC**
- **92% of students surveyed would recommend AATC resources to their friends**



Tutors and Specialists working with students in the Writing Studio

WE LISTEN TO STUDENTS

From the collection of thousands of student surveys:

- ✓ Students want longer AATC classes and workshops with more section options
- ✓ Students want more problem solving opportunities in AATC classes and workshops
- ✓ Students want a state of the art classroom for AATC classes and workshops
- ✓ Students want more AATC office hours with specialists
- ✓ Students want more discipline specific writing support in AATC



Math tutor (left) working in the drop-in room

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