atdp

UC Berkeley
Academic Talent Development Program

NEW THIS YEAR

Offering A–G approved courses that meet UC/CSU college entrance requirements

SECONDARY DIVISION

for students completing grades 7 - 11

JUNE 22 – JULY 31
2020

Berkeley
UNIVERSITY OF CALIFORNIA

Welcome to ATDP

January 2020

OVER THE PAST 39 YEARS, students have come to the UC Berkeley campus each summer to pursue architecture, literary analysis, law, precalculus, biotechnology, and so much more. Whether your family has a long tradition across generations at ATDP or whether you seek to join ATDP for the first time, *welcome*.

Over the decades, our mission has always remained the same: to enable all highly motivated and prepared students to pursue their academic passions through rigorous summer coursework in a community of like-minded peers. We offer courses appropriate to our students' needs, taught by outstanding public and private school instructors, as well as university researchers and industry professionals.

We also endeavor to learn more about academically talented students: how they develop, what they require in order to learn at their optimal pace and to their appropriate depth, and what factors support or impede their social development. Toward that goal, we sometimes ask our students and their families to participate in research studies and we solicit their insights and evaluations.
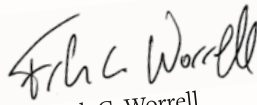
Our application process reflects our belief that students must be given the opportunity to present their strengths in a variety of ways. By requiring applicants to submit multiple indicators of their academic achievements, we are able to identify and admit a diverse group of the hardest-working, highest-achieving students. As you consider the wide range of classes offered in this year's catalog, we hope that you will find many that spark your interest.

Thank you for your interest in ATDP.

Sincerely,

Lisa Kala
Program Director

Frank C. Worrell
Faculty Director

PROGRAM OBJECTIVES

- To offer students an educational opportunity commensurate with their need to know, think, and express

- To help our students think and understand deeply

- To encourage students to rise rapidly through levels of study, seeking and meeting educational challenges as they grow

- To promote continued development of able young scholars toward a full educational and social life

LEARNER OUTCOMES

ATDP students will be able to...

- successfully complete rigorous and challenging coursework in a chosen discipline,

- pursue their academic passions and deep interests, and

- participate in an academic community of similarly motivated peers.

Contacting ATDP

atdp|SD

SECONDARY DIVISION

PROGRAM DATES

June 22 to July 31, 2020
See back cover for important dates & deadlines

WEEKLY SCHEDULE

2 or 3 days per week
See course index, p. 4

DAILY SCHEDULE

Morning classes: 8:30 a.m. to noon
Afternoon classes: 1:00 to 4:30 p.m.

LOCATION

UC Berkeley campus

FEES

Application processing fee: $50
($80 for international students)
Half-year equivalent courses: $650 - $800
Full-year equivalent courses: $950 - $1100

DISCOUNTS

Sibling discount: $35 per sibling attending
Need-based financial aid is available
See p. 19 for details

For students completing **Kindergarten** through **Grade 6**, ATDP offers an exciting three-week program at Washington School in **Point Richmond** (9 miles NW of UC Berkeley).

July 13 - July 31, 2020

atdp.berkeley.edu/ed

All classes meet Mondays, Tuesdays, Thursdays and Fridays. Extended care options available.

ATDP's **Secondary Division**, administered through UC Berkeley's *Graduate School of Education,* offers challenging courses to highly motivated students who have completed Grades 7-11 (and are entering Grades 8-12). Students are invited to attend the program on the basis of exceptional academic talent.

Classes are held in buildings across the UC Berkeley campus, including Berkeley Way West, the home of the Graduate School of Education at 2121 Berkeley Way.

ATDP's course offerings cover a wide variety of disciplines. Instruction is fast-paced, and expectations are high—each six-week course is designed either to cover a semester's worth (7.5 school days per class session) or a full year's worth (10 school days per class session) of material. The number of hours of homework per ATDP class session is commensurate to the number of school days that the class covers and is provided with each course listing on pp. 6-17.

ATDP is committed to supporting gender, ethnic, and socioeconomic diversity in all of its programs.

WHO ARE ATDP STUDENTS?

ATDP's goal is to select students who will benefit from the challenging course offerings and will succeed in this fast-paced program. Students are eligible to attend ATDP's Secondary Division once they complete Grade 7 and can apply each summer through the completion of Grade 11. Students become ineligible for ATDP when they complete Grade 12.

On average, admitted students have scored in the advanced range on the California Standards Test (CST) or above the 90th percentile on a nationally standardized achievement test in both mathematics and English Language Arts or reading. Additionally, ATDP students tend to earn an overall academic grade point average (GPA) of at least 3.5 on an unweighted 4-point scale. Please remember that these are not hard-and-fast selection criteria, but rather general guidelines. Designation as "gifted" at your home school is not required for admission to ATDP. Students with marks of "unsatisfactory" or "needs improvement" in conduct or citizenship are not a good fit for the program.
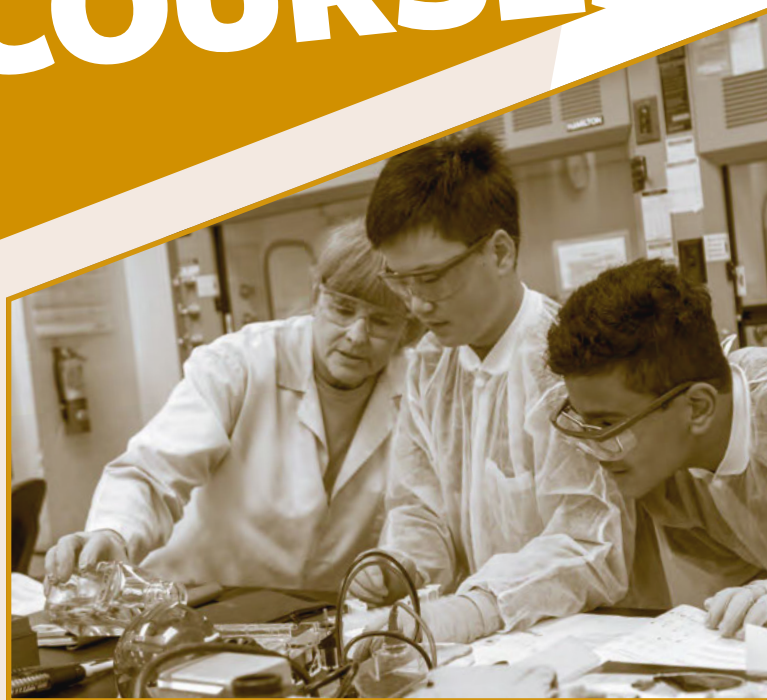
WHO ARE ATDP FACULTY?

Our faculty include exceptionally talented public and private school instructors, as well as university researchers and industry professionals. In addition to their excellence as classroom instructors, they share a serious commitment to the education of gifted and talented youth.

Inside

COURSES

Unlike many other summer programs, ATDP offers courses that focus on acquisition of deep knowledge in a single topic. Secondary Division students are invited to immerse themselves and gain expertise in a subject that interests them. Some ATDP classes are designed to accelerate students through high school curricula. Many ATDP courses now count toward UC and CSU college entrance requirements.

About ATDP Courses

TYPES OF COURSES

Secondary Division courses can help meet a variety of scholastic goals as diverse as its pool of applicants. Some aim to help middle school students to transition to high school topics, or high school students to college-level study. Others are equivalent to full-year high school or Advanced Placement curricula, offering the potential for students to accelerate through more advanced levels in a subject.

The varieties of courses are described in detail on page 5: *Selecting a Course*.

> **Is the time listed for homework accurate, or is that just how long it takes other students who aren't as smart as I am?**
>
> The homework hours listed represent the average time to complete homework (not including studying) reported by the previous year's classes. It is safe to expect that the amount of homework you do will be somewhere within the range given.

SCHEDULE & SIZE

ATDP offers courses that meet either two or three days each week. Most run the full six weeks of the Secondary Division (June 22 – July 31), though a small number run on unique four-week schedules.

Classes generally have a cap of 20 to 24 students. The low teacher-to-student ratio, as well as the academic and administrative staff support, ensure instruction of the highest quality.

WORKLOAD

An ATDP course requires a serious time commitment. Students should expect to spend between three and ten hours preparing for each class meeting. The average number of hours of self-study to expect per class meeting is provided in each course listing (pp. 6-17) and new students especially should expect to be spending time on homework that is at the upper end of the range provided.

EXPLORATIONS

In addition to its regularly scheduled courses, ATDP offers through its Explorations program a selection of optional classes, workshops, and trips. These activities enrich Secondary Division students' summer experience with opportunities to learn new skills, to pursue career-oriented interests, and to visit interesting places. Last year's Explorations included series in SAT preparation, animation, and journalism, as well as single-day options such as CPR training, art workshops, and personal finance.

Explorations meet on various weekdays, often for a half-day. They vary in length and meet between one and six times. The Explorations program guide and enrollment form will be sent to students along with their notification of acceptance into ATDP. Only students currently enrolled in ATDP courses may attend Explorations.

New This Year

A-G APPROVED COURSES

We are proud to announce that many Secondary Division courses are now approved to meet UC/CSU A-G college entrance requirements. We encourage students to discuss how these courses may fit into their academic résumés with their school counselors.

See also *A-G College Entrance Requirements,* below, and view the Course Index on p. 4 for information about approved ATDP courses.

For ATDP courses currently listed as "in process," approval will be retroactive and should include summer 2020. Please visit our website, atdp.berkeley.edu, to find status updates for A-G approved courses. (Please note that courses designed exclusively for students completing 7th and 8th grade are not eligible for A-G approval.)

NEW COURSES FOR 2020

These courses have never been held at ATDP before, and demand for these spots may be very high. As applications are evaluated in the order completed, we strongly recommend applying early!

Public Speaking & Performance (p. 7)

Computer Science Principles (**AP-aligned**) (p. 9)

Introduction to Higher Algebra (p. 12)

Exploring Chemistry (p. 16)

Introduction to Cancer Research (p. 17)

RETURNING COURSES

These Secondary Division courses are back from hiatus, and may include revisions and updated curricula for this summer:

Advanced Literary Analysis (see p. 7)

Web Development (**AIC**) (see p. 10)

Statistics (**AP-aligned**) (see p. 13)

Documenting Coursework

Secondary Division students take on a substantial commitment in completing a half year or full year of coursework in only 4-6 weeks. We congratulate students on their accomplishment and offer the following guidelines for recording and reporting ATDP coursework.

A-G COLLEGE ENTRANCE REQUIREMENTS

Some ATDP courses are approved to satisfy A-G subject requirements for entrance to University of California (UC) and California State University (CSU) campuses. Students who take A-G approved courses at ATDP may report those courses on their college applications and count them toward the subject requirement. See the UC and CSU admissions websites for details regarding A-G subject requirements. ATDP staff are happy to talk with families or counselors who have questions regarding ATDP's A-G course list.

Information about which courses meet an A-G requirement is included in the Course Index (p. 4) and in each course listing on pages 6-17.

FINAL EVALUATION & GRADE

Upon completing a Secondary Division course, ATDP students will receive a final evaluation from their instructor. Printed on official UC bond paper, this document can be sent to schools as proof of course completion. It includes the instructor's narrative of the student, final letter grade, and course load equivalent. ATDP will send one copy home in August, and if authorized by you, one copy to a selected school at no charge.

TRANSCRIPTS & CREDIT

ATDP cannot provide a transcript for any of its courses, and the final evaluation is not an acceptable substitute for a high school transcript. Students interested in high school course credit should speak with their high school counselor or principal, and ATDP welcomes conversations with school staff regarding any questions about our program. Middle school students are not generally eligible for credit, but in some cases (as in our accelerated math courses), students may submit ATDP coursework to their schools for placement into more advanced courses.

COURSE INDEX

See details for each course and course section on pp. 6–17.
Detailed descriptions and updates can be found at **atdp.berkeley.edu/sd/catalog**.

DEPT.	COURSE NAME	REQUIREMENTS	COURSE LOAD	AP-ALIGNED	A–G	HRS. PER WEEK	SCHEDULE	TOTAL FEE	W/FULL AID (SEE P. 19)	DETAILS
WRITING & LITERATURE	The Writing Process	6 **7 8** 9 10 11	◐		-	18	TuF, AM/PM	$650	$80	p. 6
	Reading for Creative Writing	6 **7 8** 9 10 11	◐		-	18	TuTh, AM only	$650	$80	p. 6
	Crafting Effective Essays	6 **7 8 9 10** 11	●		*	20	MTh, AM/PM	$650	$80	p. 6
	Analytical Writing	6 7 **8 9 10 11**	◐		*	20	MTh, PM only	$650	$80	p. 6
	Advanced Creative Writing	6 7 8 **9 10 11**	◐		*	16	TuF, PM only	$650	$80	p. 7
	Advanced Literary Analysis †	6 7 8 9 **10 11**	◐		*	25	MWF, PM only †	$650	$80	p. 7
FINE ARTS	Introduction to Public Speaking	6 **7 8** 9 10 11	◐		-	18	TuF, AM/PM	$650	$80	p. 7
	Fundamentals of Art	6 **7 8 9 10 11**	◐		F	16	TuTh, AM only	$700	$130	p 7
	Architectural Design	6 7 **8 9 10 11**	●		G	33	MWF, AM only	$1000	$150	p. 8
	Public Speaking & Performance NEW	SEE PREREQS	◐		*	18	MTh, PM only	$650	$80	p. 8
LANG.	First-Year Japanese	6 **7 8 9 10 11**	●		*	33	MWF, AM only	$950	$100	p. 8
	Second-Year Japanese	SEE PREREQS	●		*	33	MWF, PM only	$950	$100	p. 8
COMPUTER SCIENCE	Introduction to Programming	6 **7 8 9 10 11**	◐		*	18	TuTh, AM/PM	$800	$200	p. 9
	Elements of Web Design (TIC)	**6 7 8 9 10 11**	◐		G	25	MWF, AM only	$1100	$200	p. 9
	Computer Science Principles (AP-aligned) NEW	6 7 8 **9 10 11**	●	✔	*	30	MWF, AM only	$1100	$200	p. 9
	Programming in Java (AP-aligned)	SEE PREREQS	●	✔	G	30	MWF, AM/PM	$1100	$200	p. 10
	Web Development (AIC)	SEE PREREQS	◐		G**	20	TuTh, AM only	$800	$200	p. 10
MATHEMATICS	Foundations of Algebra	6 **7 8** 9 10 11	◐		-	18	TuTh, PM only	$650	$80	p. 11
	⏩ Algebra I	SEE PREREQS	●		C	36	MWF, AM only	$1000	$150	p. 11
	Introduction to Geometric Thinking	SEE PREREQS	◐		*	16	TuTh, AM only	$650	$80	p. 12
	⏩ Geometry	SEE PREREQS	●		C	40	MWF, AM/PM	$1000	$150	p. 12
	Introduction to Higher Algebra NEW	SEE PREREQS	◐		*	20	TuTh, AM only	$650	$80	p. 12
	⏩ Algebra II/Trigonometry	SEE PREREQS	●		C	40	MWF, PM only	$1000	$150	p. 12
	Applied Mathematics †	SEE PREREQS	◐		C	25	MWF, AM only †	$650	$80	p. 13
	⏩ Precalculus	SEE PREREQS	●		C	36	MWF, PM only	$1000	$150	p. 13
	Statistics (AP-aligned)	SEE PREREQS	●	✔	*	36	MWF, AM only	$1000	$150	p. 13
SOCIAL SCIENCES	Social Psychology	6 7 **8 9 10 11**	◐		*	16	TuTh, PM only	$650	$80	p. 14
	AI in the Economy	6 7 **8 9 10 11**	◐		G	21	TuTh, PM only	$650	$80	p. 14
	The Practice of Law	6 7 **8 9 10 11**	◐		G	18	MTh, PM only	$650	$80	p. 14
	Business & Finance	SEE PREREQS	◐		G**	18	TuTh, AM only	$650	$80	p. 15
	Philosophy & Critical Thinking	6 7 **8 9 10 11**	◐		G	18	TuF, PM only	$650	$80	p. 15
	Psychology (AP-aligned)	6 7 8 **9 10 11**	●	✔	*	30	MWF, PM only	$950	$100	p. 15
NATURAL SCIENCES	Introduction to Biotechnology	6 **7 8** 9 10 11	◐		-	20	TuTh, AM/PM	$800	$220	p. 16
	Introduction to Engineering	6 **7 8** 9 10 11	◐		-	18	TuTh, PM only	$800	$220	p. 16
	Exploring Chemistry † NEW	6 **7 8** 9 10 11	◐		-	25	MWF, PM only †	$800	$220	p. 16
	Introductory Chemistry	6 7 **8 9 10 11**	◐		D	25	TuTh, AM/PM	$800	$220	p. 16
	Advanced Biotechnology †	SEE PREREQS	◐		*	32	MWF, AM/PM †	$800	$220	p. 17
	Advanced Robotic Engineering	SEE PREREQS	◐		*	24	MWF, AM only	$1100	$200	p. 17
	Cognitive Neuroscience	SEE PREREQS	◐		*	25	TuTh, PM only	$650	$80	p. 17
	Introduction to Cancer Research NEW	SEE PREREQS	◐		*	25	MW, PM only	$650	$80	p. 17

*in process for A–G approval (see p. 3)   **with UC honors designation (see p. 5)   †runs on a 4-week schedule; see course details

Selecting a Course

With 40 different courses to choose from, it is sometimes difficult for students to find the one course that is just right for them! We encourage you to read through the course listings (pp. 6–17) to carefully identify a course that interests you and for which you are academically prepared. In addition to selecting the course that you are most interested in taking, you may apply for up to three other courses as alternatives.

PREREQUISITES & GRADE LEVEL REQUIREMENTS

It is important to note course prerequisites and grade level requirements when you are selecting your course choices, as not all courses are open to all students.

▮ = Open to this grade level

▮ = **Recommended** grade level

SEE PREREQS = Denotes a course with requirements in addition to or instead of a grade level requirement. See course details on pp. 6–17.

COURSE LOAD

◐ **Half-year equivalent** courses cover about a semester of course content in six weeks. The pace is accelerated but not rushed. Some of these courses are excellent options for current middle school students (including those continuing from the Elementary Division) who seek an intro-duction to high school-level topics. Others feature unique or special topics suitable for high schoolers preparing to transition to college; these advanced courses typically have academic prerequisites.

● **Full-year equivalent** courses cover the equivalent of two semesters of course content in six weeks. The pace is extremely fast. Students should expect to dedicate a large amount of time to homework and self-study outside of class, and we recommend that they schedule no other summer activities during the program. Most of these courses have academic prerequisites.

AP-ALIGNED COURSES

AP-aligned courses are especially rigorous full-year courses designed to help prepare students for an Advanced Placement exam in the subsequent spring. Take special note of these courses' prerequisites and homework & self-study time required per class meeting. Review during the school year is highly rec-ommended, and additional self-study may be required for full exam preparation. Students who pass the AP exam may be eligible for college credit, and some AP exam scores may be counted toward the UC/CSU A-G subject requirement (see p. 3).

HONORS DESIGNATION

Due to the pace and depth of the curricula, all ATDP courses for high school students are taught at what most schools would list as "honors" level. This is different from the **UC honors** designation, which is an optional part of each course's A-G status. Courses designated by UC as "honors" are comparable to introductory college-level courses in the subject, and always include a culminating final exam or project.

A-G REQUIREMENT

If approved, each course lists the UC/CSU A-G subject requirement met. Many high school-level ATDP courses are intended for college preparation (G). Please check atdp.berkeley.edu/sd/catalog for updates as more ATDP courses are approved throughout the year.

HOURS PER WEEK ESTIMATE

The *"Hrs. per week"* column indicates the approximate time commitment *per week*, including class sessions, homework, and self-study, based on reports from previous years' students.

CHOOSING A MATH COURSE

Accelerated core math courses are marked with the ▶ symbol next to their titles. These intensive full-year courses are equivalent to the traditional high school math sequence and are recommended only for students seeking acceleration at their school. They have rigid prerequisites and a special application process. See *Applying for an Accelerated Core Math Course* on p. 11 for details.

Other math courses are designed to help students who want to gain a deeper under-standing of specialized math topics and who are not seeking acceleration at their school.

CHOOSING A WRITING COURSE

Applicants sometimes have trouble figuring out which writing course is most appropriate for their skill level, age, and grade. Aside from creative writing, all of our writing courses share very similar learning goals, just at different levels. We recommend

including all acceptable writing course alternatives on your application form. Based on your academic product, grade, age, and Letter of Interest, we will place you in the most appropriate class.

APPLYING FOR TWO COURSES

Only students with strong academic backgrounds are allowed to take two courses concurrently. Students who are new to the Secondary Division—including those who previously attended ATDP's Elementary Division—are less likely to be allowed to enroll in two courses. Remember that expectations are high in every ATDP course, and many former students have reported that taking two courses was more time-consuming than they expected. Add together the two courses' estimated hours per week for an approximate time commitment.

If you are interested in enrolling in two courses, you must petition to do so in your Letter of Interest that accompanies your application. The petition should explain your summer plan: clearly identify your desired schedule of two courses, making sure their meeting times do not conflict, as well as any alternatives (single courses or other two-course combinations) in order of preference. Also describe how you plan to manage time commitments outside of class meetings. Successful petitions tend to be for two half-year equivalent courses, or one full-year equivalent course with a smaller time commitment and one half-year course.

Please also consider Explorations (p. 2) if your goal is to plan a full day of activity.

I have only one course choice. Do I still have to list alternate classes on my application?

Each course you request represents a commitment on your part. If you would rather not come to the program than attend a course other than your first choice, you should request your first choice only.

Will I improve my chances of being placed in my first choice class if I don't list alternates?

No. We always start by attempting to place a student in their first choice and only look at the alternates if the class is filled or if a student's application is not competitive for their first choice.

WRITING & LITERATURE

The Writing Process

For students mastering middle school writing skills and transitioning to high school. Explores various methods of analysis and the stages of writing persuasively.

SCHEDULES:	SD4000.1	Tu F	8:30 –12:00	Tyleen Kelly
	SD4000.2	Tu F	1:00 – 4:30	Tyleen Kelly

Course load
Half year equivalent

Self-study and homework required
2–5 hours per meeting
Time commitment per week
Up to 18 hrs.

Tuition
$650 ($80 with full aid award)

Grade requirement
Recommended for students completing grades 7 and 8

Reading for Creative Writing

For middle school students with a keen interest in fiction and creative writing. Critical reading and varied activities around campus inspire student work.

SCHEDULES:	SD4001.1	Tu Th	8:30 –12:00	Staff

Course load
Half year equivalent

Self-study and homework required
2–5 hours per meeting
Time commitment per week
Up to 18 hrs.

Tuition
$650 ($80 with full aid award)

Grade requirement
For students completing grades 7 and 8

Crafting Effective Essays

For students developing high school reading and writing skills. Focuses on essay development and revision.

SCHEDULES:	SD4003.1	M Th	8:30 –12:00	Gabriella Wyatt
	SD4003.2	M Th	1:00 – 4:30	Gabriella Wyatt

Course load
Half year equivalent

Self-study and homework required
3–6 hours per meeting
Time commitment per week
Up to 20 hrs.

Tuition
$650 ($80 with full aid award)

Grade requirement
Recommended for students completing grades 8 and 9

In process for A-G approval

Analytical Writing

For students mastering high school writing skills and transitioning to college-level textual analysis.

SCHEDULES:	SD4004.2	M Th	1:00 – 4:30	Elizabeth Scherman

Course load
Half year equivalent

Self-study and homework required
3–6 hours per meeting
Time commitment per week
Up to 20 hrs.

Tuition
$650 ($80 with full aid award)

Grade requirement
Recommended for students completing grades 9 and 10

In process for A-G approval

Visit **atdp.berkeley.edu/sd/catalog** for detailed course descriptions, availability, and updates

Advanced Creative Writing

For high school students with a keen interest in fiction and creative writing. Focuses on meta-narrative development and revision.

SCHEDULES:	SD4006.2	Tu F	1:00 – 4:30	Alex Franklin

Course load
Half year equivalent

Self-study and homework required
2–4 hours per meeting
Time commitment per week
Up to 16 hrs.

In process for A-G approval

Tuition
$650 ($80 with full aid award)

Grade requirement
For students completing grades 9 and up

Advanced Literary Analysis

For skilled writers with a keen interest in literature. Best for those who have taken *AP English* or are planning to take it in the fall.

> ***NOTE:** This course has a **four-week** schedule. It starts **July 6** and ends **July 31**.*

SCHEDULES:	SD4008.2	M W F	1:00 – 4:30	Jeff Neilson

Course load
Half year equivalent

Self-study and homework required
2–5 hours per meeting
Time commitment per week
Up to 25 hrs.

In process for A-G approval

Tuition
$650 ($80 with full aid award)

Grade requirement
For students completing grades 10 and 11

FINE ARTS

Introduction to Public Speaking

For middle schoolers who want to develop writing and speaking skills. Covers a variety of speaking styles, oratory, and debate. *Students in grade 9 and up, see **Public Speaking & Performance**, p. 8.*

SCHEDULES:	SD4010.1	Tu F	8:30 –12:00	Elizabeth Scherman
	SD4010.2	Tu F	1:00 – 4:30	Laura Shefler

Course load
Half year equivalent

Self-study and homework required
2–5 hours per meeting
Time commitment per week
Up to 18 hrs.

Tuition
$650 ($80 with full aid award)

Grade requirement
For students completing grades 7 or 8

Fundamentals of Art

For students interested in creative expression through drawing and painting. No art experience required. This course is held in a campus studio.

SCHEDULES:	SD4011.1	Tu Th	8:30 –12:00	Margaret Niles

Course load
Half year equivalent

Self-study and homework required
2–4 hours per meeting
Time commitment per week
Up to 16 hrs.

Meets UC/CSU A–G requirement
Visual & Performing Arts (F)

Tuition
$700 ($130 with full aid award)

Grade requirement
Open to all qualified SD students

All courses run during the six weeks of June 22–July 31 unless otherwise noted.

Architectural Design

For students who want to develop their creative skills and eye for detail, from planning and designing projects to building and presenting finished models. No technical background is needed. This course is held in a campus studio.

SCHEDULES:	SD4015.1	M W F	8:30 –12:00	Tania Osorio

Course load
Full year equivalent

Tuition
$1000 ($150 with full aid award)

Self-study and homework required
4–8 hours per meeting
Time commitment per week
Up to 33 hrs.

Grade requirement
For students completing grades 8 and up

Meets UC/CSU A–G requirement
College-Preparatory Elective (G)

Older high schoolers interested in architecture may also be eligible for **emBARC**, a summer program in UC Berkeley's College of Environmental Design. Visit **ced.berkeley.edu/embarc** for more information.

Public Speaking & Performance

For high schoolers who want to develop writing, performance, and analytical skills. Covers a variety of speaking styles toward a final production. *7th and 8th grade students, see Introduction to Public Speaking, p. 7.*

SCHEDULES:	SD4016.2	M Th	1:00 – 4:30	Laura Shefler

Prerequisite
Completion of *Public Speaking* or 9th grade English.

Course load
Half year equivalent

Tuition
$650 ($80 with full aid award)

Self-study and homework required
2–5 hours per meeting
Time commitment per week
Up to 18 hrs.

Grade requirement
Recommended for students completing grades 9 and up

In process for A-G approval

LANGUAGES

First-Year Japanese

Learn Japanese through varied activities like movement, song, and conversation. Complete the full year of *Japanese 1* in six weeks. Requires significant self-study in the weeks prior to the start of class.

SCHEDULES:	SD4023.1	M W F	8:30 –12:00	Junko Hosoi

Course load
Full year equivalent

Tuition
$950 ($100 with full aid award)

Self-study and homework required
4–8 hours per meeting
Time commitment per week
Up to 33 hrs.

Grade requirement
Open to all qualified SD students

In process for A-G approval

Second-Year Japanese

Continue where *First-Year Japanese* left off, focusing on conversation, listening, and additional kanji. Complete the full year of *Japanese 2* in six weeks.

SCHEDULES:	SD4024.2	M W F	1:00 – 4:30	Maryam Atashi Golestan

Prerequisite
Completion of *First-Year Japanese,* or permission of the Director.

Course load
Full year equivalent

Tuition
$950 ($100 with full aid award)

Self-study and homework required
4–8 hours per meeting
Time commitment per week
Up to 33 hrs.

Grade requirement
Open to all qualified SD students

In process for A-G approval

COMPUTER SCIENCE

All computer science courses are held in campus computer labs.

⚠️ **Access outside of class to a desktop or laptop computer (i.e. not a tablet, Chromebook, or mobile device) and to the Internet is required to complete homework for all computer science courses.**

Introduction to Programming: Solving Problems with Python

For students new to coding with no computer science experience. Covers fundamental concepts in a semester-equivalent programming course.

SCHEDULES:	SD4030.1	Tu Th	8:30 –12:00	Flint Christensen
	SD4030.2	Tu Th	1:00 – 4:30	Flint Christensen

Course load
Half year equivalent

Self-study and homework required
2–5 hours per meeting
Time commitment per week
Up to 18 hrs.

In process for A-G approval

Tuition
$800 ($200 with full aid award)

Grade requirement
Open to all qualified SD students

Elements of Web Design: The Internet Classroom

For students with a keen interest in coding, visual design, and the cultural impacts of the Internet. No programming experience required.

SCHEDULES:	SD4033.1	M W F	8:30 –12:00	Samuel Pierce

Course load
Half year equivalent

Self-study and homework required
2–5 hours per meeting
Time commitment per week
Up to 25 hrs.

Meets UC/CSU A–G requirement
College-Preparatory Elective (G)

Tuition
$1100 ($200 with full aid award)

Grade requirement
Open to all qualified SD students

Computer Science Principles (AP-aligned)

For students new to coding with no computer science experience. Covers the majority of topics in *AP Computer Science Principles* in six weeks. With additional self-study and review, students will be prepared to take the AP exam in May.

SCHEDULES:	SD4034.1	M W F	8:30 –12:00	Flint Christensen

Course load
Full year, AP aligned

Self-study and homework required
3–6 hours per meeting
Time commitment per week
Up to 30 hrs.

In process for A-G approval

Tuition
$1100 ($200 with full aid award)

Grade requirement
For students completing grades 9 and up

All courses run during the six weeks of June 22–July 31 unless otherwise noted.

⚠️ **Access outside of class to a desktop or laptop computer (i.e. not a tablet, Chromebook, or mobile device) and to the Internet is required to complete homework for all computer science courses.**

Programming in Java (AP-aligned)

For students who want to master object-oriented programming. Coding experience recommended but not required. Covers the majority of topics in *AP Computer Science A* in six weeks. With additional self-study and review, students will be prepared to take the AP exam in May.

SCHEDULES:	SD4035.1	M W F	8:30 –12:00	Anh Nguyen
	SD4035.2	M W F	1:00 – 4:30	Anh Nguyen

Prerequisite
Completion of *Algebra I* required. Completion of an introductory computer science class recommended.

⭕ Course load
Full year, AP aligned

💰 Tuition
$1100 ($200 with full aid award)

📝 Self-study and homework required
3–6 hours per meeting
Time commitment per week
Up to 30 hrs.

🎓 Grade requirement
Open to all qualified SD students

🏛️ Meets UC/CSU A–G requirement
College-Preparatory Elective (G)

Web Development: The Advanced Internet Classroom

For students who have mastered basic web design and programming concepts, and who want to build independent web development skills. Covers dynamic web page coding on front-end and back-end, including database design.

SCHEDULES:	SD4037.1	Tu Th	8:30 –12:00	Samuel Pierce

Prerequisite
Completion of *Elements of Web Design* and a programming class (such as *Programming in Java*), or a passing score on a placement test, or permission of the Director.

◐ Course load
Half year equivalent

💰 Tuition
$800 ($200 with full aid award)

📝 Self-study and homework required
3–6 hours per meeting
Time commitment per week
Up to 20 hrs.

🎓 Grade requirement
Open to all qualified SD students

🏛️ Meets UC/CSU A–G requirement
College-Preparatory Elective (G) – UC Honors designated

MATHEMATICS

Applying for an accelerated core math course

If you are interested in taking an accelerated mathematics course (i.e., *Algebra I, Geometry, Algebra II/Trigonometry, Precalculus:* marked with the ▶▶ symbol), please note the following admissions requirements:

- You must have a grade of A in your current mathematics class, and a strong academic profile overall;

- You cannot repeat a math course you have already taken;

- Your *Teacher Recommendation Form* must be completed by your current mathematics teacher; and,

- You must take and pass the diagnostic examination given on the afternoon of Saturday, May 16, 2020.

As noted above, acceptance and placement into all accelerated mathematics courses is contingent upon successful passing of a written diagnostic test. If you are unable to take the test on May 16, the acceptance letter will provide instructions on scheduling a date for a makeup test. Results will be mailed and posted online the week after testing.

Students who do not pass their placement test remain admitted to the program. We will work with these students to find a more suitable course placement. Please note that these additional admissions requirements pertain to students applying for accelerated mathematics courses only; they do not pertain to half-year equivalent math courses. Students in *Foundations of Algebra* **do** need to take the diagnostic test on May 16, but their score will have no effect on their final placement.

The diagnostic test is for placement purposes only. Families may be informed of a total percentage score as it relates to placement criteria, but detailed results will not be available.

Foundations of Algebra

For students planning to enter *Algebra I* or *Integrated Math 1* in the fall. Develop problem-solving skills for algebra based on the Common Core approach.

SCHEDULES: SD4040.2   Tu Th   1:00 – 4:30   Claudia Benedetti

Course load
Half year equivalent

Self-study and homework required
2–5 hours per meeting
Time commitment per week
Up to 18 hrs.

Tuition
$650 ($80 with full aid award)

Grade requirement
For students completing grades 7 or 8

▶▶ Algebra I

For students planning to enter *Geometry* in the fall. Complete the full year of *Algebra I* in six weeks, aligned with Common Core high school standards. Recommended only for students who are seeking acceleration at their school.

SCHEDULES: SD4042.1   M W F   8:30 –12:00   Staff

Prerequisite
Completion of *Pre-Algebra*, grade of A in current math class, Teacher Recommendation Form completed by current math instructor, and passing score on placement test. See details, above.

Course load
Full year equivalent

Self-study and homework required
6–10 hours per meeting
Time commitment per week
Up to 36 hrs.

Meets UC/CSU A–G requirement
Mathematics (C)

Tuition
$1000 ($150 with full aid award)

Grade requirement
Open to all qualified SD students

Introduction to Geometric Thinking

Introduces selected topics in geometry through activities and projects. Recommended for students planning to enter regular or honors-level *Geometry* in the fall.

SCHEDULES:	SD4043.1	Tu Th	8:30 –12:00	John Ku

Prerequisite
Completion of *Algebra I* or *Integrated Math 1.*

Course load
Half year equivalent

Tuition
$650 ($80 with full aid award)

Self-study and homework required
2–4 hours per meeting
Time commitment per week
Up to 16 hrs.

Grade requirement
Open to all qualified SD students

In process for A-G approval

▶▶ Geometry

For students planning to enter *Algebra II/ Trigonometry* in the fall. Complete the full year of *Geometry* in six weeks. Recommended only for students who are seeking acceleration at their school.

SCHEDULES:	SD4044.1	M W F	8:30 –12:00	Philippe Henri
	SD4044.2	M W F	1:00 – 4:30	Philippe Henri

Prerequisite
Completion of *Algebra I*, grade of A in current math class, Teacher Recommendation Form completed by current math instructor, and passing score on placement test. See details on page 11.

Course load
Full year equivalent

Tuition
$1000 ($150 with full aid award)

Self-study and homework required
6–10 hours per meeting
Time commitment per week
Up to 40 hrs.

Grade requirement
Open to all qualified SD students

Meets UC/CSU A–G requirement
Mathematics (C)

Introduction to Higher Algebra

Introduces selected topics from advanced algebra, including number systems and proofs. Ideal for students interested in engineering. Recommended for students planning to enter *Algebra II/ Trigonometry* or *Integrated Math 3* in the fall.

SCHEDULES:	SD4045.1	Tu Th	8:30 –12:00	Eli Lebow

Prerequisite
Completion of *Geometry* or *Integrated Math 2.*

Course load
Half year equivalent

Tuition
$650 ($80 with full aid award)

Self-study and homework required
3–6 hours per meeting
Time commitment per week
Up to 20 hrs.

Grade requirement
Open to all qualified SD students

In process for A-G approval

▶▶ Algebra II/Trigonometry

For students planning to enter *Precalculus* in the fall. Complete the full year of *Algebra II/Trigonometry* in six weeks. Recommended only for students who are seeking acceleration at their school.

SCHEDULES:	SD4046.2	M W F	1:00 – 4:30	Georgina Mountain

Prerequisite
Completion of *Geometry*, grade of A in current math class, Teacher Recommendation Form completed by current math instructor, and passing score on placement test. See details on page 11.

Course load
Full year equivalent

Tuition
$1000 ($150 with full aid award)

Self-study and homework required
6–10 hours per meeting
Time commitment per week
Up to 40 hrs.

Grade requirement
Open to all qualified SD students

Meets UC/CSU A–G requirement
Mathematics (C)

Applied Mathematics: Understanding Higher Math through Physics & Tinkering

Introduces selected topics in calculus and physics through activities and projects. Recommended for students planning to enter *Precalculus* or *Calculus* in the fall.

*NOTE: This course has a **four-week** schedule. It starts **July 6** and ends **July 31**.

SCHEDULES: SD4047.1   M W F*   8:30 –12:00   Kaushik Basu

Prerequisite
Completion of *Algebra II* or *Integrated Math 3*.

Course load
Half year equivalent

Tuition
$650 ($80 with full aid award)

Self-study and homework required
2–5 hours per meeting
Time commitment per week
Up to 25 hrs.

Grade requirement
Open to all qualified SD students

Meets UC/CSU A–G requirement
Mathematics (C)

⏩ Precalculus

For students planning to enter *AP Calculus* in the fall. Complete the full year of *Precalculus* in six weeks. Recommended only for students who are seeking acceleration at their school.

SCHEDULES: SD4048.2   M W F   1:00 – 4:30   Staff

Prerequisite
Completion of *Algebra II* or *Integrated Math 3*, grade of A in current math class, Teacher Recommendation Form completed by current math instructor, and passing score on placement test. See details on page 11.

Course load
Full year equivalent

Tuition
$1000 ($150 with full aid award)

Self-study and homework required
6–10 hours per meeting
Time commitment per week
Up to 36 hrs.

Grade requirement
Open to all qualified SD students
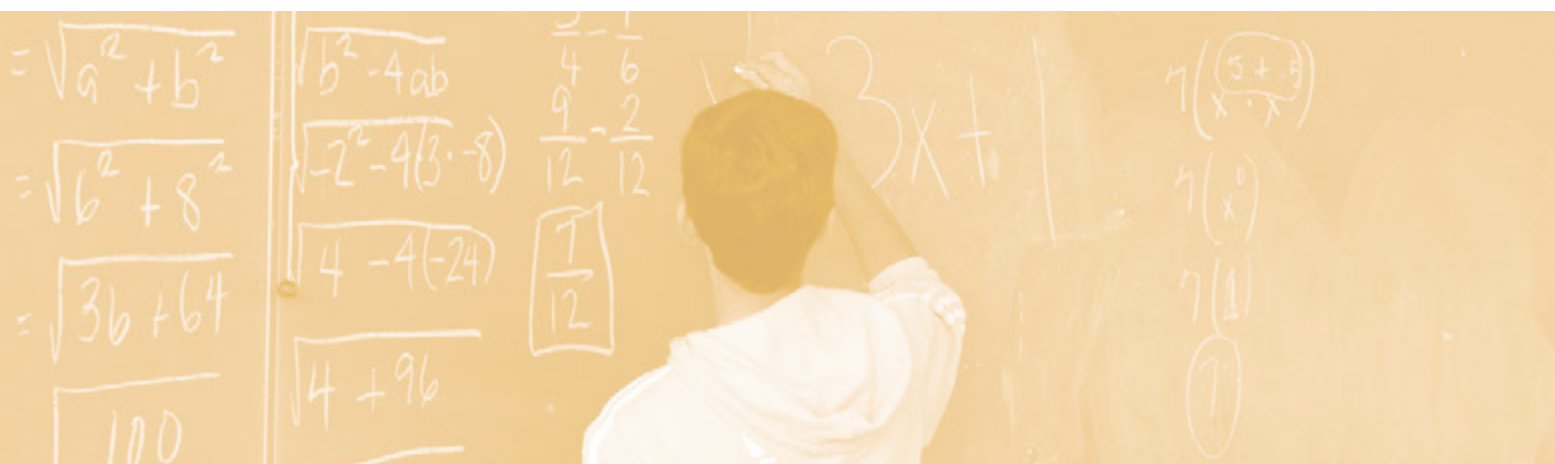
Meets UC/CSU A–G requirement
Mathematics (C)

Statistics (AP-aligned)

Covers material equivalent to the full year of *AP Statistics* in six weeks. With additional self-study and review, students will be prepared to take the AP exam in May.

SCHEDULES: SD4049.1   M W F   8:30 –12:00   Michelle Lackney

Prerequisite
Completion of *Algebra II* or *Integrated Math 3*, grade of A in current math class, and Teacher Recommendation Form completed by current math instructor. No placement test. See details on page 11.

Course load
Full year, AP aligned

Tuition
$1000 ($150 with full aid award)

Self-study and homework required
6–10 hours per meeting
Time commitment per week
Up to 36 hrs.

Grade requirement
For students completing grades 9 and up; completion of 10th grade recommended

In process for A-G approval

All courses run during the six weeks of June 22–July 31 unless otherwise noted.

SOCIAL SCIENCES

Social Psychology

Introduces topics, research methods, and findings in the field of social psychology. College-level texts are used.

SCHEDULES: SD4052.2   Tu Th   1:00 – 4:30   Cyrell Roberson

Course load
Half year equivalent

Self-study and homework required
2–4 hours per meeting
Time commitment per week
Up to 16 hrs.

In process for A-G approval

Tuition
$650 ($80 with full aid award)

Grade requirement
For students completing grades 8 and up

AI in the Economy: The Business and Financial Impacts of Artificial Intelligence

Analyzes the impact of Artificial Intelligence technology on the USA and global economies. Course work involves significant research, writing and analysis on both an individual and team basis.

SCHEDULES: SD4056.2   Tu Th   1:00 – 4:30   David Powell

Course load
Half year equivalent

Self-study and homework required
3–6 hours per meeting
Time commitment per week
Up to 21 hrs.

Meets UC/CSU A–G requirement
College-Preparatory Elective (G)

Tuition
$650 ($80 with full aid award)

Grade requirement
For students completing grades 8 and up

The Practice of Law: An Overview of Law School

Introduces students to the core curriculum of law school, including torts, criminal law, trial procedure, constitutional law, evidence, contract law, and legal research & drafting. Culminates in a mock trial.

SCHEDULES: SD4058.2   M Th   1:00 – 4:30   Gary Kitajo

Course load
Half year equivalent

Self-study and homework required
2–5 hours per meeting
Time commitment per week
Up to 18 hrs.

Meets UC/CSU A–G requirement
College-Preparatory Elective (G)

Tuition
$650 ($80 with full aid award)

Grade requirement
For students completing grades 8 and up

Business & Finance

For advanced high school students who want to apply their math knowledge to exploring topics in business, finance and economics through a quantitative approach.

SCHEDULES: SD4059.1   Tu Th   8:30 –12:00   Jennifer Lyons

Prerequisite
Completion of *Algebra II* or *Integrated Math 3*.

Course load
Half year equivalent

Tuition
$650 ($80 with full aid award)

Self-study and homework required
2–5 hours per meeting
Time commitment per week
Up to 18 hrs.

Grade requirement
Open to all qualified SD students

Meets UC/CSU A–G requirement
College-Preparatory Elective (G) – UC Honors designated

Philosophy & Critical Thinking

For students with a keen interest in philosophy and ethics. Covers introductory topics of philosophy, while exploring the intersection of critical thinking, analytical writing, and logic.

SCHEDULES: SD4060.1   Tu F   1:00 – 4:30   Alexander James

Course load
Half year equivalent

Tuition
$650 ($80 with full aid award)

Self-study and homework required
2–5 hours per meeting
Time commitment per week
Up to 18 hrs.

Grade requirement
For students completing grades 8 and up

Meets UC/CSU A–G requirement
College-Preparatory Elective (G)

Psychology (AP-aligned)

Covers material equivalent to the full year of *AP Psychology* in six weeks. College-level texts are used. With additional self-study and review, students will be prepared to take the AP exam in May.

SCHEDULES: SD4061.2   M W F   1:00 – 4:30   Isabella Ahrens

Course load
Full year, AP aligned

Tuition
$950 ($100 with full aid award)

Self-study and homework required
3–6 hours per meeting
Time commitment per week
Up to 30 hrs.

Grade requirement
For students completing grades 9 and up; completion of grade 10 recommended

In process for A-G approval

All courses run during the six weeks of June 22–July 31 unless otherwise noted.

NATURAL SCIENCES

Introduction to Biotechnology

For middle schoolers with an interest in molecular biology (particularly DNA) and laboratory techniques. This course is held in a UC Berkeley science lab.

SCHEDULES:	SD4071.1	Tu Th	8:30 –12:00	Staff
	SD4071.2	Tu Th	1:00 – 4:30	Staff

Course load
Half year equivalent

Self-study and homework required
3–6 hours per meeting
Time commitment per week
Up to 20 hrs.

Tuition
$800 ($220 with full aid award)

Grade requirement
For students completing grades 7 or 8

Introduction to Engineering

For students completing middle school. Introduces topics in various engineering disciplines, including civil and robotic engineering, through concepts, calculations, and projects.

SCHEDULES:	SD4072.2	Tu Th	1:00 – 4:30	Sean Ward

Course load
Half year equivalent

Self-study and homework required
2–5 hours per meeting
Time commitment per week
Up to 18 hrs.

Tuition
$800 ($220 with full aid award)

Grade requirement
For students completing grades 7 or 8

Exploring Chemistry

For middle schoolers who want a preview of chemistry topics and labs. This course is held in a UC Berkeley science lab.

NOTE: This course has a **four-week** schedule. It starts **July 6** and ends **July 31**.

SCHEDULES:	SD4073.2	M W F	1:00 – 4:30	Fatemeh Mizbani

Course load
Half year equivalent

Self-study and homework required
2–5 hours per meeting
Time commitment per week
Up to 25 hrs.

Tuition
$800 ($220 with full aid award)

Grade requirement
For students completing grades 7 or 8

Introductory Chemistry: Principles, Calculations, and Labs

For students who want to learn quantitative methods and lab skills before taking high school chemistry. Covers a semester's worth of a traditional chemistry course. This course is held in a UC Berkeley science lab.

SCHEDULES:	SD4074.1	Tu Th	8:30 –12:00	Katy Kuei
	SD4074.2	Tu Th	1:00 – 4:30	Katy Kuei

Prerequisite
Completion of *Algebra I* or *Integrated Math 1.*

Course load
Half year equivalent

Self-study and homework required
3–6 hours per meeting
Time commitment per week
Up to 25 hrs.

Tuition
$800 ($220 with full aid award)

Grade requirement
For students completing grades 8 and up

Meets UC/CSU A–G requirement
Science (D)

Advanced Biotechnology

For advanced high school students with a keen interest in biology and research. This course is held in a UC Berkeley science lab.

NOTE: This course has a **four-week** schedule. It starts **June 22** and ends **July 17**.

SCHEDULES:	SD4075.1	M W F	8:30 –12:00	Staff
	SD4075.2	M W F	1:00 – 4:30	Staff

Prerequisite
Completion of high school biology. Background in chemistry highly recommended.

Course load
Half year equivalent

Self-study and homework required
3–7 hours per meeting
Time commitment per week
Up to 32 hrs.

In process for A-G approval

Tuition
$800 ($220 with full aid award)

Grade requirement
For students completing grades 9 and up

Advanced Robotic Engineering

For advanced high school students with a keen interest in robotics and programming. Students with access to laptops are encouraged to bring them to class.

SCHEDULES:	SD4077.1	M W F	8:30 –12:00	Dirk Wright

Prerequisite
Completion of *Algebra I* or *Integrated Math 1*.

Course load
Half year equivalent

Self-study and homework required
2–4 hours per meeting
Time commitment per week
Up to 24 hrs.

In process for A-G approval

Tuition
$1100 ($200 with full aid award)

Grade requirement
Open to all qualified SD students

Cognitive Neuroscience

For advanced high school students with a strong science background and a keen interest in the human brain. Students study college-level primary source material.

SCHEDULES:	SD4081.2	Tu Th	1:00 – 4:30	Anu Murthy

Prerequisite
Completion of high school biology *or* high school chemistry *or* AP Psychology.

Course load
Half year equivalent

Self-study and homework required
4–8 hours per meeting
Time commitment per week
Up to 25 hrs.

In process for A-G approval

Tuition
$650 ($80 with full aid award)

Grade requirement
For students completing grades 9 and up

Introduction to Cancer Research

For advanced high school students with a keen interest in medical research and oncology. Covers both cancer biology fundamentals and recent developments.

SCHEDULES:	SD4083.2	M W	1:00 – 4:30	Anu Murthy

Prerequisite
Completion of high school biology.

Course load
Half year equivalent

Self-study and homework required
4–8 hours per meeting
Time commitment per week
Up to 25 hrs.

In process for A-G approval

Tuition
$650 ($80 with full aid award)

Grade requirement
For students completing grades 9 and up

All courses run during the six weeks of June 22–July 31 unless otherwise noted.

Secondary Division students can expect an intense and unforgettable experience at one of the world's most eminent public college campuses. Whether traveling from their neighborhood BART station or arriving from out-of-state, ATDP students should prepare for a stimulating preview of the rigors of university study.

Acceptance

PLACEMENT MAILING

Students who have been accepted to ATDP and who applied by the early or standard postmark deadlines will be mailed an acceptance packet on Thursday, April 9. This packet contains important information and instructions for confirming your enrollment and preparing to attend class.

CONFIRMING PLACEMENT

To confirm course placement, a parent or guardian of a student who plans to attend must complete the online *Enrollment Form*, which includes emergency information and tuition payment, by Monday, April 27, 2020 (for early and standard applicants). See p. 23 for a complete list of deadlines.

Providing immunization records. University of California policy requires all students participating in campus programs to provide proof of immunization. Families of students who are admitted to the program should be prepared to provide immunization information for each student when they confirm their course placement. Returning families who submitted immunization records previously will not need to submit them again so long as the records are accurate and on file.

OTHER PLACEMENT DECISIONS

In certain situations, students may be accepted to the program without a course placement:

In a wait pool. Very popular courses fill quickly. If your first course choice becomes unavailable, we will automatically place you into a pool of applicants to be considered if a spot opens. In the event of an opening, all applicants in the wait pool will be considered using the same criteria as in our normal application process. Applicants may join wait pools regardless of their placement status.

Need alternate course choices. Many factors determine whether an applicant qualifies for a particular course, including prerequisites, grade level, and strength of the academic profile relative to other applicants. If an accepted student does not qualify for the particular course(s) indicated on the application, we will ask for alternates. We are happy to work with applicants to find the best course placement.

ATDP isn't for everyone! We encourage students who cannot commit to attending ATDP or who have not been accepted to explore other summer opportunities at UC Berkeley or elsewhere. These students are welcome to apply again for summer 2021.

Tuition & Payment

TUITION

Fees for ATDP courses can be found under the individual course listings (pp. 6-17). This includes the base tuition fee and facilities fee, but does **not** include the application processing fee, nor expenses for textbooks, personal supplies, or transportation. Families will be notified of their balance due when placement decisions are made available. For those making a single payment, families will have until their tuition deadline to send payment for the entire balance. If a family needs to pay in installments, the first payment of at least $100 must be sent by April 27 and the remaining balance must be fully paid by Friday, June 12.

APPLICATION PROCESSING FEE

There is a processing fee for each application. The fee is $50 for domestic students. For students attending school outside the US, the fee is $80 and must be paid online. This fee is non-refundable. It covers only the cost of application processing and does not apply toward tuition or facilities fees. Available payment methods include:

- Online payment by credit or debit card (online applications only).

- Check or money order made payable to "UC Regents." Write "SD" and the student's first and last name on the memo line. Mail or deliver your check payment to ATDP.

- Those applying for need-based financial aid may apply for a processing fee waiver if the fee poses a financial hardship. See *Financial Aid*, below.

We cannot accept cash payments or foreign checks/money orders.

SIBLING DISCOUNT

For families sending two or more siblings to the program, a $35 tuition discount is available for each student. For example, if two siblings attended, each student would receive one $35 discount from tuition, for a total family discount of $70. This discount is taken from course tuition only, not from the application processing fee or the facilities fee.

REFUND POLICY

A parent whose registered student is unable to attend must withdraw the student in writing and may request a tuition refund. Prior to Wednesday, May 20, tuition and facilities fee payments are refundable. After May 20, refunds are subject to the ATDP Refund Schedule, which will be included in the student's acceptance packet.

No refund will be made in the case of a student who fails to attend classes or is withdrawn from ATDP for failure to meet the standards of appropriate behavior, including completion of homework. The application processing fee is also nonrefundable.

Financial Aid

ATDP's goal is to invite qualified local students to attend the program year after year regardless of their family's ability to pay. Bay Area students completing grades 6-10 are invited to apply for need-based financial aid. Eleventh Graders who are returning to the program may also apply.

Awards cover up to 100% of base tuition only; they do not cover transportation, textbooks, supplies, course facilities fees or other expenses. The remaining amount due with a full aid award (100%) is shown with each course listing.

How are financial aid awards determined?

Financial aid awards are based on total family resources, determined in part by tax returns and schedules. We make every effort to help families with limited resources; however, we are often unable to offer full financial aid, and families who receive full financial aid for tuition will still need to pay the course facilities fee.

A drastic change in my financial situation is not reflected on my tax return. What should I do?

Attach a letter explaining your situation, as well as any supporting documents (e.g., unemployment forms) to the tax forms you send in.

APPLYING FOR AID

Requests for financial aid must include supporting documents, typically the family's most recent federal tax return, with any and all schedules (i.e. the **complete** return). If the family does not submit tax documents, other forms of proof of income (such as pay stubs, or eligibility letters for free/reduced lunch) may be requested.

If payment of the non-refundable $50 processing fee poses a financial hardship, attach a signed note of explanation with the tax returns or the student's Letter of Interest in lieu of the payment.

Detailed instructions for applying for financial aid are included with the online or paper application.

FINANCIAL AID DEADLINE

Wednesday, March 4, 2020

Requests for financial aid must be submitted by this date (the standard application deadline). Requests submitted after the deadline will be considered by exception only.

AWARD DECISIONS

All admission and placement decisions are made independently of financial aid status. Your application will not be held up pending a financial aid decision. However, we can only evaluate your request for financial aid once we receive all required documents. Financial aid decisions are based on total financial resources, not only on household income. Applicants who are accepted will be mailed notification of the amount of financial aid on April 9. Families who need to pay tuition in installments will have until June 12 to do so. Details will be included in the acceptance letter.

Location & Transportation

All SD courses are held on the UC Berkeley campus, which is conveniently located a short walk away from the Downtown Berkeley BART station and several AC Transit bus lines. Many families choose to carpool to campus, and information about carpools, BART meet-ups, and campus shuttles will be provided in the student's acceptance packet. For families driving to Berkeley, please visit UC Berkeley's Parking and Transportation website (pt.berkeley.edu) for parking details.

My sibling/friend and I need to have class at the same time. What can I do to ensure that we can commute together?

Attach notes to both of your applications indicating that you need to travel together and make certain that your courses' times match. The earlier you both apply, the more likely it is that we will be able to work with your schedules.

Where can I find summer housing near UC Berkeley?

ATDP is not a residential program. Unfortunately, we are unable to assist families with housing arrangements.

THE ATDP MAIN OFFICE

Though most other university buildings do not have street addresses, you can find University Hall at 2018 Oxford Street in Berkeley on the west edge of campus. Enter through the Oxford Street entrance, descend to the bottom floor, and then follow signs to find us in room 70.

COMMUTER DIRECTORY

For students interested in traveling together, ATDP provides an online directory of other students from their area who are also interested in commuting. Families then contact each other and form their own carpool or BART groups. The commuter directory is available only to students who have been accepted into the program, who have an online account, and who have opted into the directory themselves.

If you and a sibling or friend want to attend ATDP at the same time so that you can commute together, include the request in the Letter of Interest in both applications. Make
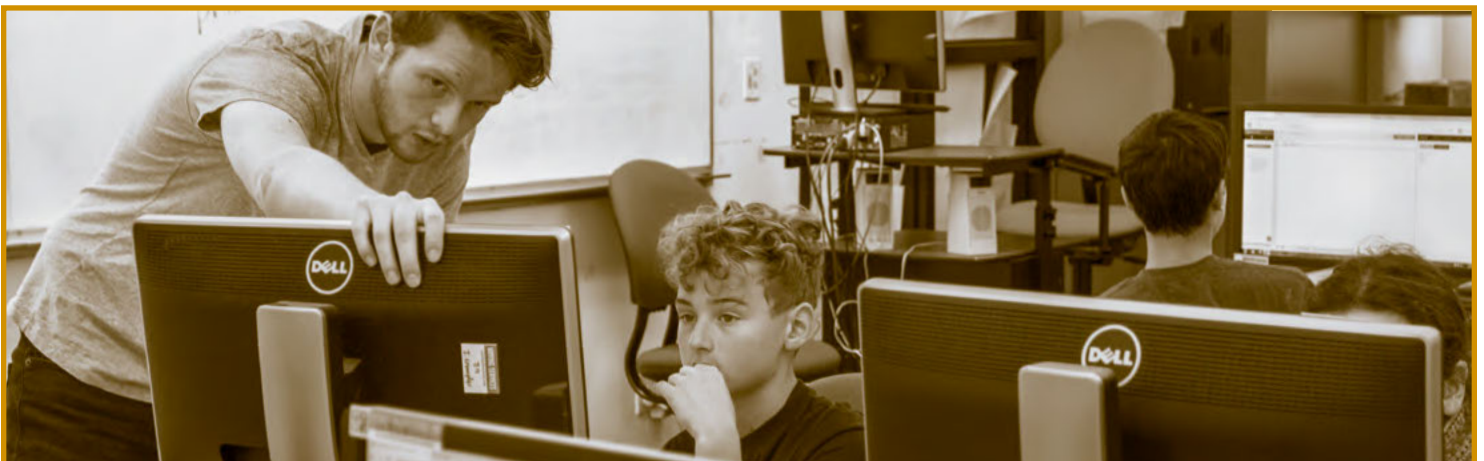
certain that the schedules of the courses you each request match. The earlier you both apply, the more likely we will be able to work with your schedules.

BART

Since Berkeley parking is extremely difficult, many visitors travel by BART via the **Downtown Berkeley station**, which is a 3-minute walk from the edge of campus.

Youth Clipper. For Secondary Division students who prefer the convenience of BART to travel to and from campus, the Youth Clipper card allows those age 18 or younger to ride at half the price of a standard fare. These discounted cards may be obtained by a brief application in person or via mail, email, or fax. Visit www.clippercard.com/discounts for application information.

Note: BART has discontinued the "BART Orange" program for discounted student paper tickets. However, students may still use existing Orange tickets to travel to and from ATDP during the summer.

Orientation & Preparation

WELCOME & ORIENTATION

The Secondary Division orientation will be held for students and families on Sunday, June 7. This is a good time for accepted students to become familiar with the Berkeley campus, meet their instructor and their new classmates, ask questions of the ATDP staff, and find their classroom location.

TEACHER LETTER & FIRST ASSIGNMENT

At the end of the orientation program, Secondary Division instructors will hand out an important letter to students that includes contact and course information. *Most instructors will assign coursework to be completed prior to the first class meeting.* This letter will be mailed home to students who do not attend the orientation.

TEXTBOOKS

Most course textbooks will be available for purchase at University Press Books, starting from Orientation on June 7 until your first day of class. Some instructors will prepare a course-specific reader purchasable at Telegraph Copy Central (but not at other Copy Central locations). Please note that textbooks and students' supplies are not included in tuition.

Attendance

There are no excused absences at ATDP. As expectations are high and courses are fast-paced, even one absence makes it difficult to keep pace. Therefore, students are expected to attend every class session. Even in the case of unanticipated circumstances, there are some things that cannot be "made up" (such as introductions, class participation, group activities, presentations, or examinations).

If there are special circumstances that will affect a student's ability to *attend every class*, please contact the program office; anticipated absences not addressed prior to the full refund deadline will not be accommodated. Barring exceptional circumstances, students who anticipate missing more than one class session will not be allowed to attend the program. If you have concerns about your summer schedule, we strongly advise you to contact our office before applying.

POLICY

Missing too much class time for any reason may result in dismissal from the program without refund. All matters affecting regular attendance—absence, coming late, or leaving early—must be communicated in writing to the program office (not the instructor) by a parent or guardian (not the student). Anticipated absences not addressed prior to the May 20 refund deadline will not be accom-

modated. A student's attendance record will be taken into account in admission decisions in subsequent years. Attendance decisions are not related to whether the student is seeking an A-G requirement or high school credit. Students who miss class time may not receive a final grade or evaluation. Attending every class does not guarantee that a student will receive a passing grade.

INDEPENDENCE DAY HOLIDAY

The UC Berkeley campus will be closed on Friday, July 3, 2020, in observance of Independence Day. Any course that is normally held on a Friday will have a make-up class session. Make-up classes will be determined and announced per class by the course instructor; most are rescheduled for that same week.

APPLY

ATDP has a more thorough application process than many other programs because it's crucial for us to have as well-rounded an academic profile of the applicant as possible. This allows students to show their strengths in different ways, and it ensures they are prepared for the rigors of a fast-paced Secondary Division course. It also gives them practice for the college application process!

THE APPLICATION PROCESS

We make every effort to place all qualified students in their first-choice course. ATDP reviews applications on an ongoing basis, beginning when an application is complete. However, course enrollment is limited, and there are often more qualified applicants than the program can accommodate. It is generally advantageous to apply early, preferably well before the postmark deadlines (see p. 23). The application process is the same for new and returning students. Students must reapply every year, and returning students are not guaranteed automatic readmission or placement in their first choice of course. Incomplete applications are not considered for placement.

Early Application. A limited number of spots in each course will be reserved for early applicants. Early applicants who are admitted will find early acceptance information in their online account. Applicants submitting a paper-only application *cannot* apply as early applicants.

As in previous years, returning students will receive priority if they apply early. Based on the number and relative strength of other early applications, an early applicant may be automatically converted to a standard applicant if no early acceptance decision is possible.

Standard Application. The standard application deadline is available for those applying both online and via paper form. Availability may be limited in the case of very popular courses. Those applying for need-based financial aid must apply by March 4, the standard application deadline.

Extended Application. For courses that still have open spots after the standard application period, we will accept applications on a rolling basis. Financial aid will no longer be available for applications completed after March 4.

New vs Returning. A student who applied in a previous year and then withdrew without completing a course will be considered a new student for admission purposes. Students who have attended the Elementary Division previously and are applying to the Secondary Division for the first time are also considered new students, but their previous participation is noted.

If admission is based on academic preparedness, why is applying early so important?

Applications are considered in the order in which they are completed. For the most competitive courses, there are always more qualified applicants than the program can accommodate. Highly qualified applicants who apply early have the best chance of being placed in their preferred courses at their preferred meeting times.

ACCEPTANCE DECISIONS

On Thursday, April 9, ATDP will mail a letter to applicants who applied on or before the standard deadline informing them whether they have been accepted. Acceptance packets will include each student's course placement, balance due, and instructions required for attendance. If you applied online, this information will also be available in your account beginning on April 9.

Acceptance decisions for extended applications are made on a rolling basis, and will usually be available within 10-15 business days of receiving a complete application.

Apply Online

Visit **atdp.berkeley.edu** to begin your application.

- See p. 24 for a summary of materials required to complete your application.
- Review detailed application instructions at **atdp.berkeley.edu/apply/sd** before you begin.

New applicants will need to register an online account. Returning families should use the same account they used previously. Once you're logged in, access the "My Account" menu in the upper right. Click on the name of a returning student, or select "Apply for a new student," and follow the on-screen instructions.

Can't apply online? If you are unable to access the online application, complete the paper *Application Information Form* and mail it with the required materials to ATDP. English and Spanish language paper forms can be downloaded from atdp.berkeley.edu/resources. Your school counselor may have also been provided paper forms, or you can contact our office to have forms mailed to you. Online services will be unavailable to those who submit a paper application.

Recursos en español están disponibles en nuestro sitio de Internet.

Deadlines & Notification

ATDP evaluates applications on an ongoing basis in the order they are received, beginning when an application is complete. *The earlier you submit a complete application, the better your chances of receiving placement into your preferred course!*

EARLY APPLICATION	STANDARD APPLICATION	EXTENDED APPLICATION
■ Financial aid available ■ Must apply online ■ Returning SD students receive priority	■ Financial aid available	■ Financial aid **NOT** available ■ Limited course availability ■ Rolling acceptance decisions
Application Postmark Deadline: **Wednesday, February 5**	Application Postmark Deadline: **Wednesday, March 4**	Final Postmark Deadline: **Wednesday, May 27**
Acceptance Decisions: **Wednesday, March 18 (online*)** **Thursday, April 9 (mailed)**	Acceptance Decisions: **Thursday, April 9**	Acceptance Decisions: **within three weeks of receipt of the completed application**
Tuition & Enrollment Form Due: **Monday, April 27**	Tuition & Enrollment Form Due: **Monday, April 27**	Tuition & Enrollment Form Due: **within two weeks of receipt of the acceptance decision**

* Early applicants have access to a preview of acceptance information online, but they will still receive a mailed packet at a later date.

Subscribe to our **community newsletter** at **atdp.berkeley.edu/news** or follow us on **Facebook** at **facebook.com/ucb.atdp** to receive notification as soon as these dates are available!

Required Materials

Just like applying to college, a complete application requires several supporting documents (see below). Be mindful of your desired application deadline as it can often take several days to collect your documents and complete the application.

The complete application instructions at **atdp.berkeley.edu/apply/sd** (or on your paper form) detail the requirements for each item that is needed for a complete application. We highly recommend that you review these instructions and then prepare as many of the items as possible before you complete the

application form. This may include scanning if you plan to upload your materials, and/or photocopying or printing if you plan to mail them in.

Application items are listed below in brief.

- A formal **Letter of Interest** composed by you (the student applicant) to act as a cover letter for your application
- The **Teacher Recommendation Form (TRF)**, a brief form for a current academic teacher to complete (Note: *ATDP does not review separate letters of recommendation*)
- A copy of your most recent **report card**
- A copy of **achievement test scores**
- A written **academic product or essay**

The application processing fee is $50 for domestic students, payable online with card or by mail with check or money order. For students attending school outside the US, the fee is $80, payable online only. See p. 19. for additional information.

Need-based financial aid is available for students who would otherwise be unable to attend. To apply for aid, your application should also include your parents' or guardians' federal tax return. See p. 19 for additional information.

May 6th graders apply to the Secondary Division?

Our Elementary Division offers courses for 6th graders: see our Elementary Division catalog or atdp.berkeley.edu/ed. New ATDP applicants who will be completing 6th grade in 2020 are not eligible for the Secondary Division. Returning ED students with very strong academic records who will be completing 6th grade are eligible to apply for *The Writing Process, Public Speaking, Elements of Web Design,* and *Foundations of Algebra.*

I'm not from the San Francisco Bay Area. May I apply?

Yes! ATDP is open to students from the Bay Area and beyond. Students from many countries—including Taiwan, Italy, Kuwait, and Singapore—have attended. However, please note that (1) ATDP is not a residential program and we cannot assist with housing arrangements, and (2) financial aid is limited to students from the immediate Bay Area.

STAFF & ADMINISTRATION

Prudence Carter
Dean
Graduate School of Education

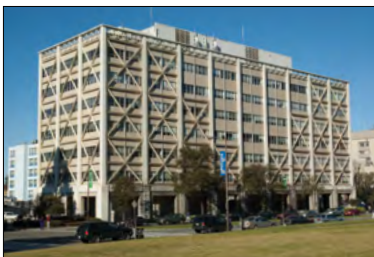**Lisa Kala**
Program Director

Frank C. Worrell
Faculty Director

PROGRAM STAFF
Left to right: **Mildred Flores, Cynthia Nie, Golden Bear, Asst. Director Carrie Brown,
Stevie Jeung, Tyleen Kelly, Samantha Yan, Samuel Pierce**

University Hall
ATDP Main Office

Berkeley Way West
Graduate School of Education

Research participation. ATDP has a responsibility to conduct research that contributes new knowledge that leads to growth and improvement in our understanding of how academically talented students learn and how they can be better served. We ask our students and their families to assist in this effort by contributing between 1 and 3 hours per year to participating in this research. However, opting not to participate in research will in no way affect admission into the program. Before a student can participate in a study, ATDP gives detailed information about it to the student and their parent(s) and obtains their informed consent in writing.

Nondiscrimination statement. The University of California, in compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Age Discrimination Act of 1975, does not discriminate on the basis of race, color, national origin, sex, handicap, or age in any of its policies, procedures, or practices; nor does the University discriminate on the basis of sexual orientation. This nondiscrimination policy covers admission and access to, and treatment and employment in, University programs and activities, including but not limited to, academic admissions, financial aid, educational services, and student employment.

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2020 CALENDAR

APPLICATION & NOTIFICATION DEADLINES – *see p. 23 for details*

	Early	*Standard*	*Extended*
POSTMARK DEADLINE	Wed., February 5	Wed., March 4	Wed., May 27
ACCEPTANCE DECISION	Wed., March 18	Thurs., April 9	rolling (*see p. 23*)
TUITION DEADLINE	Mon., April 27	Mon., April 27	rolling (*see p. 23*)

REFUND DEADLINE	Wed., May 20	Last day to request a full refund
MATH TESTING	Sat., May 16	**Placement & diagnostic testing** for students in most math courses
WELCOME & ORIENTATION	Sun., June 7	**Orientation for students and parents** Textbooks and course readers available for purchase
CLASSES	Mon., June 22	**Secondary Division classes begin at UC Berkeley**
	Fri., July 3	**Holiday** Friday classes will hold a make-up session (to be determined)
	Fri., July 31	**Classes End**

atdp.berkeley.edu