



# Berkeley Summer Sessions

**Popular 2025 summer courses for Freshman Edge and Transfer Edge students**

## Freshman Edge

### Computer Science

[The Structure and Interpretation of Computer Programs](#) (COMPSCI 61A)

*In Person - 4 Units - Session C*

This course focuses on abstraction techniques as a means to manage program complexity, while incorporating several significant programming projects.

### Data Science

[Foundations of Data Science](#) (DATA C8)

*In-Person - 4 Units - Session C*

The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks.

### Earth and Planetary Science

[Earthquakes in your Backyard](#) (EPS 20) *Online - 3 Units - Session A*

This course offers an introduction to the basic principles of seismology, the distribution of earthquakes in space and time, and the effects of earthquakes, with particular emphasis on California.

### Environmental Science, Policy, and Management

[Directed Group Study in ESPM](#) (ESPM 98)

*In Person - 1-3 Units - Session D*

This course is a study of special topics that are not covered in depth in regular courses in the department.

### Math

[Foundation of Lower Division Mathematics](#)

(MATH 1) *Online- 2 units- Session E*

This course aims to bring students with varying Math backgrounds up-to-speed with the expectations of UC Berkeley's lower division mathematics courses, while covering topics such as algebraic operations, single-variable function properties, polynomials, and more.

[Linear Algebra and Differential Equations](#)

(MATH W54) *Web-based - 4 units - Session C*

This course covers basic linear algebra, while also diving into other topics such as vector spaces, symmetric matrices, Fourier series, and much more.



## **Mentorship**

[First Year Connect](#) (ENG98BC)

*In-person or Online - 1 unit - Session D*

Berkeley Connect is a mentoring program, offered through various academic departments, that helps students build intellectual community.

## **Music**

[Music Now](#) (MUSIC 29)

*In-person - 4 Units - Session A*

This course explores the basic materials and models that set the boundaries for various present-day musical experiences. Students are exposed to terminology and modes of engagement with the aim of inspiring new paradigms of listening

## **Interdisciplinary Studies**

[Brilliance of Berkeley](#)

*(LS 110) Online - 1 Unit - Session D*

This course offers Berkeley students an opportunity to appreciate the range of rich academic experiences that make studying at Berkeley worthwhile. Students will hear guest lectures from luminary Berkeley faculty from diverse colleges and schools.

[The Berkeley Changemaker](#)

*(UGBAC12) Online - 2 units - Session D*

This course helps students identify as a Berkeley Changemaker and learn the critical thinking, communication, and collaboration skills to become one.

## **Theater**

[Public Speaking and Presentation Skills](#)

*(THEATER5) In-person - 3 units - Session D*

This course teaches students to express themselves and material clearly, confidently, and persuasively, using age-old arts of oral communication. They will learn techniques of enunciation, finding and using their natural voice, and more.

## **Psychology**

[General Psychology](#)

*(PSYCH1) In-person - 3 - Session D*

Introduction to the principal areas, problems, and concepts of psychology. This course is required for the major, and students not considering a psychology major are directed to two.



## Transfer Edge

### African American Studies

[African American Music and US Popular Culture](#) (AFRICAM 25AC)

*In Person - 4 Units - Session D*

This course is an interdisciplinary analysis of the aesthetics and politics of the US through a focus on Black popular music since WWII with an emphasis on the “Black Awakening” of the 1960s.

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*In Person - 4 Units - Session C*

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### Data Science

[Foundations of Data Science](#) (DATA C8)

*In-Person - 4 Units - Session C*

The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks.

### Ethnic Studies

[Social Science Methods in Ethnic Studies](#)

(ETHSTD 101A) *Online - 4 Units - Session D*

This course provides an overview of social science methods used in ethnic studies fieldwork, archival research, oral histories, literature review, and critical theory.

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[Brilliance of Berkeley](#)

(LS 110) *Online - 1 Unit - Session D*

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[The Berkeley Changemaker](#)

(UGBA C196C) *Online - 2 units - Session D*

This course helps students identify as a Berkeley Changemaker and learn the critical thinking, communication, and collaboration skills to become one.

### Math

[Linear Algebra and Differential Equations](#)

(MATH W54) *Web-based - 4 units - Session C*

This course covers basic linear algebra, while also diving into other topics such as vector spaces, symmetric matrices, Fourier series, and much more.



## **Mentorship**

### Transfer Connect

*(ENG198BC) In-person or Online - 1 unit - Session D*

Transfer Connect is a mentoring program, offered through various academic departments, that helps students build intellectual community.

## **Physics**

### Introduction to Mathematical Physics

*(PHYSICS 89) Web-Based - 4 units - Session B*

This course explores complex numbers, linear algebra, ordinary differential equations, Fourier series and transform methods, introduction to partial differential equations, introduction to tensors.

### Directed Group Study (PHYSICS 198)

*In-person - 1-4 units - Session D*

This is a preparatory program for incoming Astrophysics, Physics, and Earth and Planetary Science (EPS) transfer students to develop and bolster the technical skills needed to take on upper division physics, astrophysics, EPS & STEM-related courses at Berkeley, as well as to build a strong sense of community.

## **Rhetoric**

### Writing at the University: A Writing Seminar for Transfer Students (RHETOR 100) Online

*- 4 Units - Session D*

This course draws on theories of rhetoric and composition to examine the practice of academic writing. Students will develop their understanding of what constitutes successful academic writing through readings from scholarship in rhetorical theory and develop their skills as academic writers through the practice of specific genres.