



SUMMER ACADEMY

FOR ADVANCED HIGH SCHOOL STUDENTS

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The **Summer Academy for Advanced High School Students** at the University of California Riverside is a unique opportunity for advanced high school students to earn summer college units, engage in college programs, explore college laboratories and research, and interact with top faculty. In the Summer Academy program, students will have the opportunity to earn 4-5 units of college credit (on an official UC transcript), while meeting distinguished faculty and building relationships with fellow students. The Summer Academy is a great opportunity to take advantage of UCR courses, add a unique experience to future college applications, learn about the college admissions process, and attend program events and workshops planned with current high school students in mind. **In order to attend, students must be a current high school freshman, sophomore or junior with a minimum GPA of 3.5.** Summer Academy students will **receive a significant tuition break from the traditional UCR student cost**, and a **variety of scholarships** are available for students.

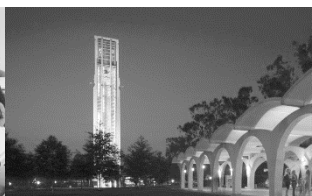
Summer Academy Career Path Cohorts will take courses offered in Summer Session A (June 26 – July 29, 2017), with an option to take courses in Session B (July 31 – September 2, 2017) if in a high school with a later fall start. **The Independent program students can take coursework mostly in Session A, with additional courses offered in Session B and Session D (June 26 – August 12, 2017).** For information on course offerings and Sessions visit classes.ucr.edu. Students will find courses to meet and challenge their desire to learn. Whether looking for the next set of courses beyond high school offerings, trying courses in an area of special interest, or exploring a possible college major, it can all be found at UCR in the summer.

Academic Career Path Cohort Program

Academic Career Path Cohort **participants will select from one of six areas of interest**, including: 1) Pre-Health Professions, 2) Sciences and Mathematics, 3) Engineering, 4) Public Policy and Education, 5) Business, and 6) Arts & Humanities. Within each Academic Career Path, **a collection of dynamic introductory courses have been selected** for students to choose from. The courses will expose students to a more focused area of interest or to a course that is a necessary requirement for a major under the Academic Career Path. Many of the courses are also general education degree requirements that may be applicable to another areas of study. In addition to being paired with other students interested in a particular area of study, students will take part in weekly programs, events, and activities offered Monday through Thursday centered around each Academic Career Path.

Cohort Program Benefits

- The opportunity to join fellow students based on careers and industry tracks
- A fully immersive experience at a public research university
- Dynamic in class synergy with fellow high school students as well as current UCR students
- Interaction and significant face time with expert faculty and scholars
- Special behind the scene experiential tours of campus facilities including laboratories, dormitories, colleges, and more
- Specific, catered programs and experiences with opportunities to hear about future opportunities at UCR from Admissions Counselors, Career Services, Study Abroad, Prestigious Scholarships and Awards, Local, State, and National Internship Opportunities, Financial Aid, and many more!



Career Cohort Tracks and Course Offerings (Session A)

1 Pre-Health

BIOL 002 – Cellular Basis of Life

Lecture – 70157: M-Th 9:40-11am

Discussion – 70158: Tu & Th 1:10-4pm

PHIL 007 – Introduction to Critical Thinking

Lecture – 71442: M-Th 11:10-12:30pm

Discussion – 71443: M & W 12:40-1:30pm

PHIL 003 – Ethics and the Meaning of Life

Lecture – 71439: M-Th 9:40-11am

Discussion – 71440: M & W 11:10-12pm

2 Sciences and Mathematics

GEO 011 – Global Climate Change

Lecture – 72453: M-Th 9:10-10:30am

Discussion – 72454: M & W 10:40-11:30a

CHEM 001A – General Chemistry

Lecture – 70416: M-Th 11:10-12:30pm

Discussion – 70417, 70418, 70419:

M & W 1:10-2pm

Laboratory – 70444, 70445, 70446, 70447:

Tu & Th 1:10-4pm

PHYS 037 – The Origins

Lecture – 71500: M & W 1:10-4pm

Discussion – 71501: Tu & Th 1:10-2pm

3 Engineering

CS 005 – Introduction to Computer Programming

Lecture – 70552: M-Th 10:10-11:30am

Laboratory – 70553: M & W 11:40-2:30pm

4 Public Policy, Political Science and Education

POSC 010 – American Politics

Lecture – 71584: M & W 10:40-1:30pm

Discussion – 71585: W 1:40-3:30pm

PSYC 002 – Introductory Psychology

Lecture – 71653: M-Th 8:10-9:30am

Discussion – 71655: M 10:10-12pm

SOC 001 – Introduction to Sociology

Lecture – 71810: M-Th 12:40-2pm

Discussion – 71811: Tu & Th 2:10-3pm

5 Business

ECON 002 – Introduction to Macroeconomics

Lecture – 70639: M & W 2:10-5pm

Discussion – 70641: W 12:10-2pm

ECON 003 – Introduction to Microeconomics

Lecture – 70645: M & W 11:10-2pm

Discussion – 70646: M 2:10-4pm

6 Arts and Humanities

ART 001 – Beginning Draw & Design

Lecture – 70088: M & W 9:10-12pm

Studio – 70090: T & Th 9:10-12pm

HIST 015 – World History: 1500 to 1900

Lecture – 71146: M-Th 11:10-12:30pm

Discussion – 71147: Th 1:10-3pm

TFDP 050 – Public Speaking

Lecture – 71956: M & W 1:10-4pm

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Independent Program Course Recommendations

ANTH 002 – Biological Anthropology

ART 002 – Beginning Paint & Design

BUS 010 – Introduction to Business

CRWT 056 – Introduction to Creative Writing

CS 006 – Introduction to the World Wide Web

CS 008 – Introduction to Computing

DNCE 005 – Introduction to Dance

**ENSC 001 – Introduction to Environmental
Science: Natural Resources**

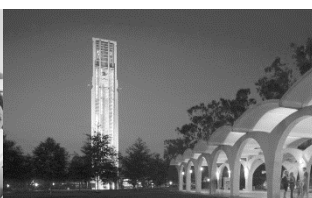
ECON 003 – Introduction to Microeconomics

ETST 001 – Race and Ethnicity: Introduction

GEO 001 – The Earth Crust and Interior

PSYC 001 – Introductory Psychology

TFDP 010 – Introduction to Acting



Course Descriptions

ANTH 001 – Cultural Anthropology. Explores the basic contributions of anthropology to the understanding of human behavior and culture and the explanation of similarities and differences among human societies. Addresses the relevance of materials drawn from tribal and peasant culture to problems of the modern world. Stresses the application of anthropological methods to research problems.

ANTH 002 – Biological Anthropology. A survey of past and contemporary human variation and evolution considered from the perspective of the fossil record, inferences from nonhuman primate biology and social behavior, and the forces of evolution.

ART 001 – Beginning Draw & Design. Introduction to the materials, techniques, structure and expressive properties of drawing and design. Includes lectures, studio exercises and outside assignments.

ART 002 – Beginning Paint & Design. Introductory course in the media, techniques, structural and expressive properties of painting and design. Includes lectures, studio exercises and outside assignments.

BIOL 002 – Cellular Basis of Life. An introduction to the fundamentals of life processes at the cellular level. Topics include cell structure, chemical composition, metabolism, reproduction, genetics, and development with emphasis on humans. Not recommended for natural science majors.

BIOL 003 – Organisms in their Environment. An introduction to the physiology, ecology, and evolution of living organisms with emphasis on humans. Not recommended for natural science majors. Either BIOL 002 or BIOL 003 may be taken as a breadth requirement in biology; together they provide a general introduction to the field of biology.

BUS 001 – Personal Finance. Provides students with tools necessary to analyze the decision to finance their UCR education with student loans. Topics include personal budgets, student loans, interest rates, career planning, auto and health insurance, and other issues related to financing higher education.

BUS 010 – Introduction to Business. Provides an overview of the field of business administration. Explores business goals and strategies, functional areas of business and their integration in policy and decision making, social responsibility, computers in business, and business trends and challenges including the international dimension.

CHEM 001A – General Chemistry. An introduction to the basic principles of chemistry.

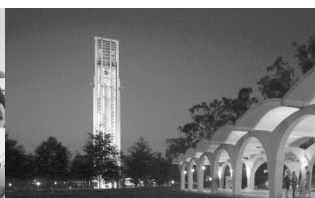
CRWT 056 – Introduction to Creative Writing. An introduction to the craft of creative writing. Focuses on the elements of a number of genres, including poetry, fiction, nonfiction, journalism, drama, and the graphic novel.

CS 005 – Introduction to Computer Programming. An introduction to computer programming for non-engineering and non-science majors and for students considering taking CS 010 but needing additional preparation. Topics include the history of computing, basic computer operation, the notion of an algorithm, and programming constructs such as variables, expressions, input/output, branches, loops, functions, parameters, arrays, and strings.

CS 008 – Introduction to Computing. Includes operating system basics (Windows and Unix), word processing, spreadsheets, databases (e.g., Access), e-mail, the Internet, and the World Wide Web. Designed for students not majoring in computer science, engineering, mathematics, or science.

CS 010 – Introduction to Computer Science for Science, Math and Engineering 1. Examination Covers problem solving through structured programming of algorithms on computers using the C++ object-oriented language. Includes variables, expressions, input/output (I/O), branches, loops, functions, parameters, arrays, strings, file I/O, and classes. Also covers software design, testing, and debugging.

DNCE 005 – Introduction to Dance. As a survey of approaches to dancing and dance making, this course introduces students to dance technique, performance, and composition as fundamental components in the art of dance. Students will cultivate the ability to



enact and remember patterns of rhythm, effort, and visual design in movement and will become acquainted with various procedures for organizing movement. Especially designed for students with no experience in dance.

ECON 002 – Introduction to Macroeconomics. An introduction to the study of the economic system from a macro, or aggregate, perspective. Includes analysis of unemployment, inflation, and the impact of government policies on the level of economic activity.

ECON 003 – Introduction to Microeconomics. An introduction to the study of the economic system from the micro, or individual decision-makers, perspective. Includes analysis of competition, monopoly, and the distribution of income.

ENSC 001 – Introduction to Environmental Science: Natural Resources. An introduction to environmental science, focusing on natural resource description, management, and conservation. Topics covered include ecosystem characteristics and function; material and energy flows; population dynamics and influence of population on the environment; energy resources and conservation; and mineral and soil resources and their management.

ETST 001 – Race and Ethnicity: Introduction. Will introduce students to major concepts and controversial issues in the study of race and ethnicity and shall provide a general overview of topics to be covered in more specialized Ethnic Studies courses.

GEO 001 – The Earth Crust and Interior. An introduction to the physical development of the Earth. Emphasis will be on Earth materials (rocks and minerals), processes (weathering, erosion, mountain building), structures (folds and faults), and current theories regarding the Earth's crust and interior.

HIST 010 – World History: Prehistory to 1500. A comparative introduction to the development of cultures in Europe, the Americas, Africa, and Asia. Addresses the origins of world civilizations; the ancient and classical periods from a global perspective; and the evolution of complex political systems throughout the post-Classical world. Includes a comparative discussion of Western and Eastern world religions.

PHIL 003 – Ethics and the Meaning of Life. Approaches one of the basic questions of value: how should one live? Covers classical and contemporary discussions of issues such as the human good, human virtue, the role of pleasure and happiness, egoism and altruism, duty, the relativity and objectivity of value, the meaning of life, death, autonomy, integrity, and conscience.

PHYS 037 – The Origins. Explores the most fundamental questions in cosmology, physics, and chemical sciences through their origins. Topics include the origin of the Universe, origin of matter, first generation of stars and galaxies, origin of chemical elements, chemistry of life, and astrobiology.

PSYC 001 – Introductory Psychology. An introduction to psychology as an experimental science. Emphasizes topics in cognitive (including learning, memory, sensation, perception), comparative, and physiological psychology.

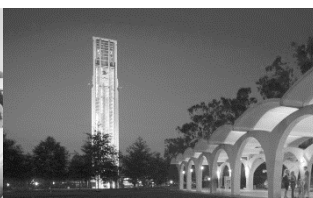
PSYC 002 – Introductory Psychology. Emphasizes topics in developmental psychology, tests and measurements, social psychology, personality, and abnormal behavior.

SOC 001 – Introduction to Sociology. Covers the basic concepts and theories relating to the study of humans as participants in group life, analysis of culture, social institutions, personality development, and processes of social interaction.

TFDP 010 – Introduction to Acting. Introduction to acting in theatre, film, television, and performance art. Through exercises, lectures, videos, and on-site visits, explores the work of actors and their collaborations with other artists in historical and contemporary settings.

TFDP 050 – Public Speaking. Covers the principles and practice of effective speech composition and delivery. Provides the communicative skills essential in professional careers and community life.

For additional course descriptions and summer course offerings please visit: classes.ucr.edu.



CONTACT

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