

UC SANTA BARBARA
2015-16 Major and Curriculum Updates

MAJORS WITH NAME CHANGES

The **College of Creative Studies Computer Science, B.S.** has changed its name to **Computing, B.S.**
The **College of Creative Studies Literature, B.A.** was suspended in February, 2014. It has now been reinstated with an updated curriculum and a new name: **Writing and Literature, B.A.**

NEW MAJORS

Anthropology, B.A.
Anthropology, B.A. – Archaeology Emphasis

TERMINATED MAJORS

Economics/Mathematics, B.A. (closed to new applicants effective F15)
Political Science, B.A. – Public Service Emphasis (closed to new applicants effective F15)

NEW MINORS

Art
Art: Public Practice
Art & Technology

UPCOMING CHANGES IN PSYCHOLOGICAL AND BRAIN SCIENCES (PBS)

There are currently two majors in the Psychological and Brain Sciences Department:

Psychology, B.A. and **Biopsychology, B.S.**

Psychology, B.A. will be discontinued and replaced by a new major, **Psychological and Brain Sciences, B.S.**, beginning fall 2016. The B.A. in Psychology will continue to be available to transfer applicants (but not freshman applicants) in fall 2016 and fall 2017. Transfer students may also choose to apply for the new B.S. in Psychological and Brain Sciences beginning fall 2016. PSY 3 (The Biological Basis of Psychology), PSY 5 (Introductory Statistics), and PSY 7 (Introduction to Experimental Psychology) will not be part of the new major. PSTAT 5A (Statistics), which is now an option, will be required instead of PSY 5. Two quarters of general chemistry and two quarters of biology will be required. General psychology (PSY 1), one calculus course (MATH 34A or 3A), statistics (PSTAT 5A), and two quarters of general chemistry (CHEM 1A-1B) must be completed before enrolling in the new classes – PSY 10A (Statistics in Experimental Psychology) and 10B (Methods in Experimental Psychology). PSY 10A and 10B will teach statistics and methods at a higher level than was previously possible in PSY 5 and PSY 7. Biopsychology (PSY 3) will no longer be taught at the lower-division level.

Biopsychology, B.S. will have some of the same curricular changes beginning fall 2016, but students who transfer in fall 2016 or fall 2017 will be able to follow the 2015-16 curriculum. PSY 3 (The Biological Basis of Psychology), PSY 5 (Introductory Statistics), and PSY 7 (Introduction to Experimental Psychology) will not be part of the new curriculum. PSTAT 5A (Statistics), which is now an option, will be required instead of PSY 5. General psychology (PSY 1), one calculus course (MATH 34A or 3A), statistics (PSTAT 5A), and two quarters of general chemistry (CHEM 1A-1AL-1B-1BL) must be completed before enrolling in the new classes – PSY 10A (Statistics in Experimental Psychology) and 10B (Methods in Experimental Psychology). PSY 10A and 10B will teach statistics and methods at a higher level than was previously possible in PSY 5 and PSY 7. Biopsychology (PSY 3) will no longer be taught at the lower-division level.

Transfer students in the new **Psychological and Brain Sciences, B.A.** and **Biopsychology, B.S.** with the new curriculum will not be expected to complete PSY 10A and 10B prior to transfer, because these courses will be unique to UCSB. **It is highly recommended that students complete all courses that are prerequisite to PSY 10A and 10B prior to transfer** so that they may take these courses as soon as they start at UCSB. PSY 10A and 10B will be offered in all quarters including summer sessions at UCSB.

COLLEGE OF ENGINEERING – CHANGES TO ADMISSION SELECTION CRITERIA FOR FALL 2016

Chemical Engineering – Physics 3 & 3L now “required” instead of “strongly recommended”

Computer Engineering – Physics 3 & 3L now “required” instead of “strongly recommended”

Computer Science – Computer Science 40 and Physics 3 & 3L now “required” instead of “strongly recommended”

Electrical Engineering – Physics 3 & 3L now “required” instead of “strongly recommended”

Mechanical Engineering – Physics 3 & 3L now “required” instead of “strongly recommended”

The recommended major prep GPA continues to be 3.6 for all five majors.

COLLEGE OF ENGINEERING – CURRICULAR CHANGES

COMPUTER ENGINEERING AND ELECTRICAL ENGINEERING

The ECE 2A-B-C series is being replaced by ECE 10A-AL-B-BL-C-CL in the Computer Engineering and Electrical Engineering majors. Freshmen entering UCSB in fall 2015 will take ECE 10A-AL-B-BL-C-CL in their sophomore year, the 2016-17 academic year. Transfer students applying for fall 2016 and fall 2017 will still have ECE 2A as one of the required courses in the admission selection criteria, and it will still be used to satisfy part of the major requirements.

MAJORS WITH CHANGES TO LOWER DIVISION DEGREE REQUIREMENTS (will not affect admission)

Anthropology, B.A. – Biological Emphasis

Added PSTAT 5A or PSTAT 5LS as alternatives to ANTH 9

Anthropology, B.A. – Cultural Emphasis

Added ANTH 9 (Methods in the Human Behavioral Sciences)

Art, B.A.

ART 18 (Lower-Division Drawing) no longer required, now an option among 3 required courses

Asian Studies, B.A.

Removed HIST 82/KOR 82 (Anthropology of Korea) from list of options

Comparative Literature, B.A.

Some courses that were previously required are now recommended (a year-long series in either Art History, World History, History of Western Civilization, History of Philosophy, or Religion and Western Civilization)

Film and Media Studies, B.A.

Added CLASS 40 (Greek Mythology) as an option

Financial Mathematics and Statistics, B.S.

CMPS 3 or 16 or ENGR 3 no longer part of the “pre-major” but still part of the lower division preparation for the major

History of Art and Architecture, B.A.

Added ARTHI 5B (Introduction to Museum Studies) and ARTHI 6J (Survey: Contemporary Architecture) as options

History of Art and Architecture, B.A. – Architecture and Environment Emphasis

Added ARTHI 6J (Survey: Contemporary Architecture) as an option

History of Art and Architecture, B.A. – Museum Studies Emphasis

Added ARTHI 6J (Survey: Contemporary Architecture) as an option

History, B.A.

Added HIST 25 (Violence and the Japanese State) as an option

Removed HIST 13 (The Ides of March) and HIST 82 (Anthropology of Korea) from list of options

Religious Studies, B.A.

Added RG ST 18 (Comparing Religions) and RG ST 26 (Introduction to Jewish Mysticism) as options and removed RG ST 16 (Chicano/Latino Religious Traditions)

Theater, B.A.

Added THTR 40 (Theater Games) as an option

Removed THTR 7 (Performance of the Human Body) from the list of options

Theater, B.F.A. – Acting Emphasis

OTHER CHANGES

Middle East Studies, B.A. was previously housed in the Global and International Studies department. It is now housed in the Religious Studies Department.

COURSES ADDED TO ASSIST DATABASE

ARTHI 6J

Survey: Contemporary Architecture

Global survey of architectural production in the twenty-first century. Emphasis on form and technology, as well as economic, sociopolitical context. Explores built form at a variety of scales (buildings, cities, virtual spaces), as well as the concept of a "contemporary."

ECE 5

Introduction to Electrical & Computer Engineering (4)

Aims at exposing freshmen students to the different sub-fields within Electrical and Computer Engineering. Composed of lectures by different faculty members and a weekly laboratory based on projects that are executed using the Arduino environment.

ECE 10A

Foundations of Analog and Digital Circuits and Systems (3)

The objective of the course is to establish the foundations of analog and digital circuits. The course will introduce the students to the power of abstraction, resistive networks, network analysis, nonlinear analysis and digital abstraction.

ECE 10AL

Foundations of Analog and Digital Circuits and Systems Lab (2)

The goal of 10AL is to provide the student with a hands-on application of the concepts discussed in ECE 10A. The lab will introduce the use of microcontrollers as a data acquisition system, network analysis, resistors, nonlinear analysis and digital abstraction.

ECE 10B

Foundations of Analog and Digital Circuits and Systems (3)

The objective of the course is to introduce the MOSFET both as a simple digital switch and as controlled current source for analog design. The course will cover basic digital design, small-signal analysis, charge storage elements and operational amplifiers.

ECE 10BL

Foundations of Analog and Digital Circuits and Systems Lab (2)

The goal of 10BL is to provide the student with a hands-on application of the concepts discussed in ECE 10B. The lab will utilize the microcontroller to introduce students to the understanding of datasheets for both digital and analog circuits, single-stage amplifier design and basic instrumentation.

ECE 10C

Foundations of Analog and Digital Circuits and Systems (3)

The objective of the course is to introduce the student to the basics of transient analysis. The course will energy and power dissipation in digital circuits, first-order and second-order linear time invariant circuits, sinusoidal steady state, impedance representation, feedback and resonance.

- ECE 10CL **Foundations of Analog and Digital Circuits and Systems Lab (2)**
 The goal of 10CL is to provide the student with a hands-on application of the concepts discussed in ECE 10C. The lab will utilize the microcontroller to introduce students to the understanding of propagation delay in digital circuits and the resulting power dissipation, first order linear networks, second order linear networks, sinusoidal steady-state, impedance analysis and op-amp circuits.
- HIST 25 **Violence and the Japanese State (same as JAPAN 25) (4)**
 Examines historiographically and sociologically the Japanese State's various engagements in violent acts during war and peace times.
- RG ST 18 **Comparing Religions (4)**
 An introduction to the use of comparative methods in the study of religious and spiritual beliefs, practices, and world views with a particular emphasis on their extraordinary and uncanny features.
- RG ST 26 **Introduction to Jewish Mysticism (4)**
 Survey of the major trends of Jewish mysticism from late antiquity through early modernity. Topics include celestial ascent and the angelic transformation of the mystic; letter mysticism and magical techniques; the divine and mystical union; gender and the anthropomorphic representation of God; secrecy and mystical fellowship; ascetic eroticism and the spiritual ideal of worship.
- THTR 40 **Theater Games (4)**
 Using theater games, improvisation and storytelling, this course expands the imagination and frees the instincts of the actor. Exercises reflect the work of improvisation icons such as Viola Spolin, Augusto Boal, and Paul Sills. Students also explore techniques for sharing/teaching these games in community settings such as schools, senior citizen centers, etc. Prerequisite: Theater 5 or Instructor's Approval. Highly recommended for students focusing on Theater and Community.

COURSE TITLE CHANGE

- ART 22 Digital Media Arts Toolbox
 Changed to
 ART 22 Introduction to Computer Programming in the Arts

COURSES REMOVED FROM ASSIST DATABASE

- AS AM 6 Sociology of Asian America
 ES S 40 Human Physiology
 ES S 47 Anatomy of the Musculoskeletal System
 HIST 13 The Ides of March
 HIST 82 Anthropology of Korea
 KOR 82 The Anthropology of Korea
 MUS 12 Introduction to Music Literature
 PSTAT 5E Statistics with Economics and Business Applications
 RG ST 16 Chicano/Latino Religious Traditions
 THTR 14 Acting Workshop
 THTR 75 Summer Theater Laboratory