



# Sacramento State University

ACCELERATED COLLEGE ENTRANCE (ACE) PROGRAM

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## APPROVED ACE PROGRAM COURSES<sup>^</sup>

### ART

ART 7 Introduction to Art and Visual Culture

### ASTRONOMY

ASTR 4 Introduction to Astronomy <sup>^</sup>

### CHILD DEVELOPMENT

CHDV 30 Human Development  
CHDV 35 Child and Adolescent Development  
CHDV 35F Human Development and Elem. Field Experience  
CHDV 44 Community Service Learning in Developmental and Educational Settings

### COMMUNICATION STUDIES

COMS 4 Introduction to Public Speaking  
COMS 27A Television Production  
COMS 27B Television Production Lab

### COMPUTER SCIENCE

CSC 1 Introduction to Computer Science <sup>^</sup>  
CSC 5 Personal Computing <sup>^</sup>  
CSC 10 Introduction to Programming <sup>^</sup>  
CSC 15 Programming Concepts and Methodology I  
CSC 80 Information Exchange on the Web <sup>^</sup>

### CRIMINAL JUSTICE

CRJ 1 Introduction to Criminal Justice & Society

### ECONOMICS

ECON 1A Introduction to Macroeconomic Analysis  
ECON 1B Introduction to Microeconomic Analysis

### ELECTRICAL AND ELECTRONIC ENGINEERING

ENGR 1A Fundamentals of Engineering <sup>^</sup>  
ENGR 2 Robotics Exploration  
ENGR 3 Future Technological Cities <sup>^</sup>

### ENGLISH

ENGL 40A Introduction to British Literature I  
ENGL 40B Introduction to British Literature II  
ENGL 50A Introduction to American Lit I  
ENGL 50B Introduction to American Lit II  
ENGL 65 Introduction to World Literature in English

### ENVIRONMENTAL STUDIES

ENVS 10 Environmental Science  
ENVS 11 Environmental Issues and Critical Thinking

### FAMILY AND CONSUMER SCIENCES

FACS 10 Nutrition and Wellness  
FACS 50 The Child in the Family

### FRENCH

FREN 1A/B Elementary French  
FREN 2A/B Intermediate French

### GERMAN

GERM 1A/B Elementary German  
GERM 2A/B Intermediate German

### GOVERNMENT

GOVT 1 Essentials of Government  
GOVT 35 World Government

### HISTORY

HIST 4 Survey of Early Western Civilization  
HIST 5 Survey of Modern Western Civilization  
HIST 6 Asian Civilizations  
HIST 7 History of African Civilizations  
HIST 8 History of Islamic Civilizations  
HIST 17A United States History, 1607 - 1877  
HIST 17B United States History, 1877 - Present  
HIST 50 World Civilizations, Beginnings - 1600  
HIST 51 World Civilizations, 1600 - Present

### JAPANESE

JAPN 2A Intermediate Japanese

### LATIN

LATN 1A/B Elementary Latin  
LATN 2 Intermediate Latin

### MECHANICAL ENGINEERING

ENGR 6 Engineering Graphics and CADD  
ENGR 7 3-D CAD Solid Modeling <sup>^</sup>  
ME 37 Manufacturing Processes <sup>^</sup>

### MUSIC

MUSC 5 Beginning Theory  
MUSC 8 Basic Music  
MUSC 18 Music Appreciation

### PHILOSOPHY

PHIL 2 Ethics  
PHIL 4 Critical Thinking  
PHIL 6 Introduction to Philosophy:  
Knowledge, World and Self

### PHOTOGRAPHY

PHOT 11 Digital Imaging  
PHOT 40 Basic Techniques of Photography

### PHYSICS

PHYS 2 Topics in Elementary Physics <sup>^</sup>

### RECREATION, PARKS & TOURISM ADMIN.

RPTA 30 Recreation and Leisure Studies in Contemporary Society  
RPTA 32 Recreation Activity Leadership  
RPTA 33 Leisure in a Diverse Society  
RPTA 34 The Outdoor Recreation Experience

### SPANISH

SPAN 1A/B Elementary Spanish  
SPAN 2A/B Intermediate Spanish

### TEACHER EDUCATION

EDTE 10 Critical Thinking and the Educated Person

### THEATRE AND DANCE

THEA 1 Introduction to Theatre  
THEA 9 Appreciation of Acting  
THEA 11 Acting Study I  
DNCE 11 Intermediate Jazz

### \* ACADEMIC DECATHLON/MODEL U.N.

EDS 99 Special Problems - Independent Studies

<sup>^</sup> All high school-based ACE courses on hiatus as of Fall '10 except for the Academic Decathlon

# APPROVED ACE PROGRAM COURSE DESCRIPTORS

**ALL ACE PROGRAM COURSES ON HIATUS AS OF FALL 2010 EXCEPT FOR ACADEMIC DECATHLON  
(August 16, 2010)**

## Art

### **ART 7 Introduction to Art and Visual Culture**

For the general education student who wants to explore the world of art and visual culture. A wide range of multicultural, historical, and contemporary art works, art media, art history, art ideas, and art practices are presented through illustrated lectures, discussions, field trips, guest lectures, studio visits, and beginning-level art projects.

## Astronomy

### **ASTR 4 Introduction to Astronomy** ^On Hiatus

Description and explanations of astronomical phenomena and measurements. Structure and evolution of planetary and stellar systems. Occasional observation periods.

## Child Development

### **CHDV 30 Human Development**

Interdisciplinary study of human development with practical observations. Addresses physical, socio-cultural, intellectual and emotional aspects of growth and development from conception to death. A variety of field experiences will be required.

### **CHDV 35 Child and Adolescent Development**

Examination of theory and research on cognitive, social and physical human development from conception through adolescence. Content will include data-collection techniques such as observation. Some course material will be applied to an analysis of elementary schooling.

### **CHDV 35F Human Development and Elementary Field Experience**

Directed field experiences in elementary school settings. Students are required to work at an elementary school and attend an on campus seminar. Includes the integration of student field experiences with theory and research in Human Development. Issues in learning, social development, adult career selection and schooling will be explored.

### **CHDV 44 Community Service Learning in Developmental and Educational Settings**

Designed to provide a range of service learning experiences where students apply their academic knowledge and skills in community-based settings. The community-based experiences will be combined with classroom activities designed to develop student understanding of topics related to their service activities such as tutoring reading and math, mentoring students from disadvantaged backgrounds, working with special populations of children.

## Communication Studies

### **COMS 4 Introduction to Public Speaking**

Theory and technique of public speaking. Emphasis on organizing, supporting, and clearly stating ideas. Practice in informative and persuasive speaking.

## Communication Studies [continued]

### **COMS 27A Television Production**

An introduction to television production theory and practice and to television aesthetics.

### **COMS 27B Television Production Laboratory**

Experience in studio television production.

## Computer Science

### **CSC 1 Introduction to Computer Science** ^On Hiatus

Fundamental concepts of computers, computation and programming; history and principles of computing; problem solving; input/output; data representation, storage, and file organization; social, economic and ethical implications; computer security and privacy. Students will solve problems using the BASIC programming language.

### **CSC 5 Personal Computing** ^On Hiatus

Introduction to the role and use of personal (micro) computers. Explanation and hands-on experience with the personal computer, emphasizing the use and relevancy of common software for word processing, filing, spreadsheet analysis, graphics, and communications. Examination of the personal computing milieu and the applications environment.

### **CSC 10 Introduction to Programming** ^On Hiatus

Introduction to computer science with an emphasis on programming concepts and methodology. Intended to prepare students with little or no programming experience for CSC 15. Computer hardware and software, data representation, data storage, programming concepts and methodology including problem solving and algorithm development, sequential programming, flow of control, modular and/or object based programming.

### **CSC 15 Programming Concepts and Methodology I**

Programming concepts using an object-oriented programming language. Introduction to methodologies for program design, Development, testing, and documentation. Topics include program design, algorithm design, number systems, classes and objects, methods (functions), control structures, arrays, and interactive input/ output.

### **CSC 80 Information Exchange on the Web** ^On Hiatus

Covers the basic elements needed to communicate on the World Wide Web. The primary emphasis will be use of the HTML language to create home pages. Other topics include Internet protocols, use of different browsers, setting up a Web server, and new Web software tools.

## Criminal Justice

### **CRJ 1 Introduction to Criminal Justice and Society**

Reviews the problem of crime and the societal response to criminals. Institutions discussed are those intended to discover the crime and the criminal and those designed to deal with the criminal, the victim, and society, once the criminal has been labeled. Finally, the bureaucracy of crime and its measurement as a social phenomenon are discussed.

## Economics

### **ECON 1A Introduction to Macroeconomic Analysis**

Introductory inquiry into the workings and inter-relationships of the aggregate economic system. The primary focus is on total production and its distribution, employment and price levels, and the forces influencing them. Other considerations are the roles of government, the monetary sector, and related areas.

### **ECON 1B Introduction to Microeconomic Analysis**

Introductory microeconomic analysis of the workings of supply and demand in the determination of price, resource allocation, and distribution. Markets are analyzed as they affect economic efficiency and income distribution.

## Electrical and Electronic Engineering

### ENGR 1A *Fundamentals of Engineering* <sup>^On Hiatus</sup>

Problem solving skills needed in all areas of engineering offered at Sacramento State. Exposure to the different areas of engineering, and understanding the relationship between them. Students will work in teams and complete hands-on engineering laboratory experiments and projects. Development of effective communication skills by presenting periodic oral and written reports. Computers will be used throughout.

### ENGR 2 *Robotics Exploration*

The course teaches problem-solving by assigning goal oriented tasks in robotics. Students learn the basic concepts of robotics like sensors and actuators, its history and latest trends in the field. Students will then work as teams to build robots that will perform predetermined tasks. Simple programming methods will be used to command the robots to perform the specified tasks. The teams then participate in a competition to test the viability of their design.

### ENGR 3 *Future Technological Cities* <sup>^On Hiatus</sup>

An introduction to technological evolution of future concepts in materials, robotics, transportation, and energy systems. Students will design individual technological aspects of a future city, culminating in a team project competition where the students design and model a future technological city.

## English

### ENGL 40A *Introduction to British Literature I*

Major developments in the lit of England from Chaucer through the close of the Augustan Age.

### ENGL 40B *Introduction to British Literature II*

Major developments in the literature of England from the Pre-Romantics and Romantics through the 20th century.

### ENGL 50A *Introduction to American Literature I*

Major developments in the literature of the United States from the beginnings through Mark Twain, approximately 1885.

### ENGL 50B *Introduction to American Literature II*

Major developments in the literature of the United States from 1885 to 1940 from Henry James through the 20th century.

### ENGL 65 *Intro to World Literature in English*

An introduction to world literature written in English that places writers and their works within colonial, post-colonial, and literary contexts. Texts may come from Africa, India, Southeast Asia, the Middle East, the Caribbean, Canada, and non-English Britain.

## Family and Consumer Sciences

### FACS 10 *Nutrition and Wellness*

tools for dietary planning. Examination of specific issues such as weight loss, sports nutrition, food safety, the diet-disease relationship and global nutrition. Analysis of special nutritional requirements and needs during the life cycle. Evaluation of personal dietary habits using current dietary guidelines and nutritional assessment methods.

### FACS 50 *The Family and Social Issues*

Family structure, systems and functioning in marriage and other partnerships, parenting, work issues, domestic violence, divorce, and remarriage. Focus on social issues including gender, race, ethnicity, and class. Historical and theoretical perspectives on families in America. Introduction to research in family sciences and public policy implications.

## Environmental Studies

### ENVS 10 *Environmental Science*

Course looks at the earth as an ecosystem composed of biological, chemical, and physical systems. Focus is on the interaction of these systems with each other and with human population, technology, and production. Students should acquire the fundamentals of a scientific

understanding of the ecological implications of human activities. Specific topics treated within the context of ecosystem analysis include energy flows, nutrient cycles, pollution, resource use, climate changes, species diversity, and population dynamics.

### ENVS 11 *Environmental Issues and Critical Thinking*

Examines Western cultural values and personal beliefs toward the environment. Teaches critical thinking skills to analyze issues to make informed choices that may impact the earth, its resources and their management as consumers, leaders, professionals and moral agents

## French

### FREN 1A/B *Elementary French*

1A focuses on the development of elementary linguistic skills, with emphasis on the spoken language. The relationship of the language to French civilization and culture is given special attention. 1B is a continuation of FREN 001A, with emphasis on reading, writing, listening and speaking. French culture and its relationship to language is given continued attention.

### FREN 2A/B *Intermediate French*

2A and 2B emphasize speaking, reading and writing ability. Dialogues, discussions and compositions in French.

## German

### GERM 1A/B *Elementary German*

1A Focuses on the development of listening, speaking, and reading skills. Special attention will be given to the relationship of the language to the civilization and culture of the German-speaking countries. 1B is a continuation of GERM 1A, with emphasis on reading, writing, listening and speaking. German culture and its relationship to language is given continued attention.

### GERM 2A/B *Intermediate German*

2A and 2B emphasize speaking, reading and writing ability. Dialogues, discussions and compositions in German.

## Government

### GOVT 1 *Essentials of Government*

Examines the US Constitution, the US system of governments and the ideas and values on which they are based. Fulfills state code requirements for US Constitution and California State and Local Government.

### GOVT 35 *World Politics*

Basic introduction to global politics focusing on a broad range of issues and problems relating to conflict and cooperation among nations, and on similarities and differences among nations' governmental institutions, structures and processes.

## History

### HIST 4 *Survey of Early Western Civilization*

Survey of the earliest civilizations with emphasis on the contributions of the Hellenic, Roman and the Medieval eras to the West. Continues to the close of the Middle Ages. Stress is placed on social, economic, as well as political factors.

### HIST 5 *Survey of Modern Western Civilization*

Survey of the development of western civilization from the Renaissance to the present day. Stress is placed on social and economic, as well as political, factors.

### HIST 6 *Asian Civilizations*

Introduction to major developments in the histories and cultures of China, Japan, and India — origins of civilizations, great empires, religions, growth and spread of cultures, alien invasions, Western impact, nationalist movements, modernization, and characteristics of contemporary society.

### HIST 7 *History of African Civilizations*

Introductory survey of the history of Africa from earliest times to the present. Major topics include: origins of

humanity and society, civilizations of the Nile Valley, the peopling of Sub-Saharan Africa, African societies to 1500, pre-colonial Saharan and Sub-Saharan Africa, Colonial Africa & the emergence of modern states in Africa.

#### **HIST 8 History of Islamic Civilizations**

Introductory survey of the history of Islamic societies of Asia, Africa, and the Middle East from the 6th century to the present. Focus will be on both continuities and the discontinuities that distinguish them from one another. Topics will include: religious, political, social, and cultural development in Islamic civilization during the pre-modern period, and reform, western imperialism, nationalism, and religious politics in the modern period.

#### **HIST 17A United States History, 1607 - 1877**

Basic historical survey of the rise of American civilization from colonial beginnings through the rebuilding of the union during Reconstruction.

#### **HIST 17B United States History, 1877 - Present**

Basic historical survey of the growth of urban-industrial American civ and its rise to world power, 1877-present.

#### **HIST 50 World Civilizations, Beginnings -1600**

Study of some major civilizations of the world from the beginnings of civilization to 1600. Covers the classical and medieval traditions of the West as well as at least two major non-western cultures.

#### **HIST 51 Word Civilizations, 1600 - Present**

Survey of the development of the major civilizations of the world from 1600 to the present. Stresses the dynamism and expansion of the West, the inter-penetration of cultures in the modern era, and the resurgence of non-western independence in the 20th century.

### **Japanese**

#### **JAPN 2A Intermediate Japanese**

Emphasis on speaking, reading, and grammatical skills through dialogues, discussions, and reading. Meets the Foreign Language Graduation Proficiency. Prerequisite: JAPN 1A, JAPN 1B; or equivalent

### **Latin**

#### **LATN 1A Beginning Latin**

Focuses on the development of the ability to read and write Latin. Included in the readings are short passages about Roman life. From these passages the student can gain insight into the elements of Roman culture and history that have affected modern civilization, patterns of human relationships, and important historical events.

#### **LATN 1B Beginning Latin**

Continuation of LATN 1A, emphasis is on longer and more difficult reading selections. Roman cultural contributions to western civilization will be emphasized. Prerequisite: LATN 1A, equivalent; or instructor permission.

#### **LATN 2 Intermediate Latin**

Continuation of LATN 001 with emphasis on the development of active skills in reading and writing. Selections include passages from Roman history and Latin poetry. Meets the Foreign Language Graduation Proficiency Requirement. Prerequisite: LATN 1B or equivalent; or instructor permission.

### **Mechanical Engineering**

#### **ENGR 6 Engineering Graphics and CADD**

In-depth graphical analysis and solution of typical three-dimensional space problems by applying the principles of orthogonal projection. Fundamentals of interactive computer aided design and drafting. Preparation of engineering drawings utilizing the CAD system.

#### **ENGR 7 3-D CAD Solid Modeling**

Applications of three-dimensional representation techniques as used in a typical CAD (computer aided

drafting) software package (AutoCAD). Fundamentals employed in creating, modifying, analyzing and filing engineering drawings. Course has a mechanical emphasis.

#### **ME 37 Manufacturing Processes**

<sup>^</sup>On Hiatus

Principles of manufacturing processes in the areas of metal removal, forming, joining and casting and fundamentals of numerical control. Study includes applications of equipment, e.g., lathe, milling machine, drill press, saw, grinder, welder, molding equipment and core makers. Emphasis on safety during hands-on operations.

### **Music**

#### **MUSC 5 Beginning Theory**

Beginning theory for music majors designed to provide a thorough study of the basis of tonal music. Includes scales, diatonic triads, melody, voice-leading, and simple harmonic progressions as well as correlative work in ear training and sight singing.

#### **MUSC 8 Basic Music**

Orientation designed to provide musical knowledge, skills, and competencies necessary for reading music or listening to music.

#### **MUSC 18 Music Appreciation**

Basic music orientation for the layman. A non-technical consideration of the various aspects of music literature designed to stimulate interest in all phases of music.

### **Philosophy**

#### **PHIL 2 Ethics**

Examination of the concepts of morality, obligation, human rights and the good life. Competing theories about the foundations of morality will be investigated.

#### **PHIL 4 Critical Thinking**

Study of the basic skills of good reasoning needed for the intelligent and responsible conduct of life. Topics include: argument structure and identification, validity and strength of arguments, common fallacies of reasoning, use and abuse of language in reasoning, principles of fair play in argumentation.

#### **PHIL 6 Intro to Philosophy: Knowledge, World and Self**

Representative selection of philosophical problems will be explored in areas such as knowledge, reality, religion, science, politics, art and morals.

### **Photography**

#### **PHOT 11 Digital Imaging**

Acquaints students with digital equipment and techniques as applied to photographs. Lecture and demonstrations will cover hardware (cameras, computers, scanners and printers) and software used to create digital images. Ethical and legal issue will be discussed. Portfolio of digital photographs created in the computer lab required.

#### **PHOT 40 Basic Techniques of Photography**

An introduction to basic camera, darkroom and digital techniques. Concepts of visual organization, design and using light effectively are emphasized.

### **Physics**

#### **PHYS 2 Topics in Elementary Physics**

<sup>^</sup>On Hiatus

One semester introductory physics course including a laboratory. Covers the fundamental concepts of physics with an emphasis on everyday life situations and applications. The range of material includes mechanics, waves, electricity and optics.

## Recreation and Leisure Studies

### **RLS 30 *Recreation and Leisure Studies in Contemporary Society***

Orientation to the nature, scope and significance of the recreation, park and leisure services movement in today's world. Analyzes philosophical and related elements essential to the effective delivery of leisure services, including the role of affective, cognitive and social motivations and outcomes.

### **RLS 32 *Recreation Activity Leadership***

Focus is on: (1) leadership of recreation activities with emphasis on the social development and integration of individuals into group programs; and (2) mechanics of planning, techniques of presentation and a repertoire of social activities as tools for social recreation.

### **RLS 33 *Leisure in a Diverse Society***

Examines the diverse nature of contemporary society as reflected in the leisure behavior, leisure values, leisure contributions, and leisure challenges of for American-ethnic groups (African American, Native American, Asian American, and Mexican Americans) as well as groups who are underrepresented because of sexual orientation, age, and physical ability. The relationship between the influence of socialization on leisure and leisure on culture will be examined from a multicultural perspective.

### **RLS 34 *The Outdoor Recreation Experience***

Encourages the student to identify and demonstrate an understanding of the value, meaning and benefits of outdoor recreation experiences and to explore a variety of outdoor adventure experiences. Outing skills such as trip planning, meal preparation, camp selection and set-up, equipment and clothing, map and compass, hygiene and first aid will be discussed and practiced. Students will also develop an awareness of and appreciation for minimum impact wilderness travel techniques and environmental responsibility and ethics.

## Spanish

### **SPAN 1A *Elementary Spanish***

Beginning Spanish language with primary emphasis on the development of audio-lingual skills. Attention will also be given to the interrelatedness of language and civilization and culture. Additional attention will be given to the development of reading and writing. Students will be expected to spend several hours per week in the language laboratory. Not recommended for students with any previous study of Spanish.

### **SPAN 1B *Elementary Spanish***

Continuation of SPAN 1A with a greater emphasis on the development of speaking, reading, writing, and listening skills. Cultural knowledge continues to be an important component: elements of Hispanic character, customs, and the way in which the Spanish and Latin American peoples view themselves and others in the world is studied. Prerequisite: SPAN 1A, or instructor permission.

### **SPAN 2A. *Intermediate Spanish.***

Oral, auditory, and written practice based on more advanced dialogue material and on short stories, plays, and the like. Attention to the development of reading fluency and to the extension of both active and passive vocabulary. Meets the Foreign Language Graduation Proficiency Requirement. Prerequisite: One year of college Spanish, or instructor permission.

### **SPAN 2B. *Intermediate Spanish***

Continuation of SPAN 2A. Meets the Foreign Language Graduation Proficiency Requirement. Prerequisite: SPAN 2A, suitable score on placement exam, or instructor permission.

## Teacher Education

### **EDTE 10 *Critical Thinking and the Educated Person***

Examines thinking process patterns and dispositions, for self, children, parents and educators. Familiarizes students with critical thinking, provides a systematic approach to its process and components. Students will learn about problem solving, decision-making, logical and creative thinking. The study of critical thinking will be supplemented with readings, discussions, and written assignments. Implements critical thinking applications used both in student's academic and personal lives.

## Theatre and Dance

### **THEA 1 *Introduction to Theatre***

Primarily for non-majors interested in acquiring a background of information in theatre. Plays, history, acting theories, technical methods and people in the theatre.

Lectures, demonstrations and discussions will characterize the greater portion of the course.

### **THEA 9 *Appreciation of Acting***

Examination of the art of acting, including a review of actors and acting - past and present. Basic exercises in voice and diction, movement, and character will be utilized.

### **THEA 11 *Acting Study I***

Foundation course for the Actor Training Program, it provides a basic working knowledge of the craft of acting. This studio class focuses in the areas of physical awareness, relaxation, trust, discipline, and action/objective. This is accomplished through bodywork

### **DNCE 11 *Intermediate Jazz***

Theory and practice of modern jazz techniques including movement vocabulary with an emphasis on the different jazz styles.

## \* Academic Decathlon

### **EDS 99 *Special Problems – Independent Study***

Individual projects designed especially for lower division students capable of independent study. Focus is upon United States Academic Decathlon curriculum located online at <http://www.usad.org/>

## \* Model U.N.

### **EDS 99 *Special Problems – Independent Study***

Individual projects designed especially for lower division students capable of independent study. Based upon Model U.N. curriculum located online at <http://www.unausa.org/>