

PHYS 197 Physics Topics (.5-5)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture or laboratory may be scheduled by the department. Refer to Class Schedule.

Transfer acceptability: CSU; UC - Credit determined by UC upon review of course syllabus

Topics in Physics. See Class Schedule for specific topic offered. Course title will designate subject covered.

PHYS 200 Fundamentals of Physics (5)
 4 hours lecture - 3 hours laboratory
Prerequisite: A minimum grade of 'C' in MATH 140, or concurrent enrollment in MATH 140

Note: PHYS 200-201 series not recommended for majors in engineering, computer science or physics; PHYS 230 series recommended for majors in engineering, computer science, or physics.

Transfer acceptability: CSU; UC*

A calculus-based course in classical mechanics, waves, sound, fluids and thermodynamics, with an emphasis on life science, pre-professional, and architectural fields.

PHYS 201 Fundamentals of Physics (5)
 4 hours lecture - 3 hours laboratory
Prerequisite: A minimum grade of 'C' in PHYS 200; A minimum grade of 'C' in MATH 141, or concurrent enrollment in MATH 141

Note: PHYS 200-201 series not recommended for majors in engineering, computer science or physics; PHYS 230 series recommended for majors in engineering, computer science, or physics.

Transfer acceptability: CSU; UC*

A calculus-based course in classical electromagnetism, optics and atomic physics, with an emphasis on life science, pre-professional, and architectural fields.

PHYS 230 Principles of Physics (5)
 4 hours lecture - 3 hours laboratory
Prerequisite: A minimum grade of 'C' in MATH 141, or concurrent enrollment in MATH 141

Recommended preparation: PHYS 130

Transfer acceptability: CSU; UC*

C-ID PHYS 205; PHYS 200S for PHYS 230, 231 and 232 combined

Classical mechanics, thermodynamics, and fluid dynamics. Required for students whose major field is physics, chemistry, or engineering. This is the first semester of a three semester sequence.

PHYS 231 Principles of Physics (5)
 4 hours lecture - 3 hours laboratory
Prerequisite: A minimum grade of 'C' in PHYS 230; A minimum grade of 'C' in MATH 205, or concurrent enrollment in MATH 205

Transfer acceptability: CSU; UC*

C-ID PHYS 210; PHYS 200S for PHYS 230, 231 and 232 combined

Classical electromagnetism, electromagnetic waves, and optics. Required for students whose major field is physics, chemistry, or engineering. This is the second semester of a three semester sequence.

PHYS 232 Principles of Physics (4)
 3 hours lecture - 3 hours laboratory
Prerequisite: A minimum grade of 'C' in PHYS 231 or PHYS 201, and MATH 205

Transfer acceptability: CSU; UC*

C-ID PHYS 215; PHYS 200S for PHYS 230, 231 and 232 combined

Modern Physics. Required for students whose major field is physics, chemistry, or engineering. This is the third semester of a three-semester sequence.

PHYS 295 Directed Study in Physics (1, 2, 3)
 3, 6, or 9 hours laboratory

Prerequisite: Approval of project or research by department chairperson

Transfer acceptability: CSU

Designed for the student who has demonstrated a proficiency in physics subjects and the initiative to work independently on a particular sustained project which does not fit into the context of regularly scheduled classes.

Physiology

See Zoology

Political Science (POSC)

Contact the Economics, History and Political Sciences Department for further information.

(760) 744-1150, ext. 2412

Office: MD-375

COURSE OFFERINGS

POSC 100 Introduction to Political Science (3)
 3 hours lecture

Transfer acceptability: CSU; UC

Introduction to the scope and methods of political science; basic political concepts and policies; comparative government institutions, stressing the United States; an overview of political theories, international politics, and political economy.

POSC 101 Introduction to Politics and American Political Institutions (3)
 3 hours lecture

Note: This course plus POSC 102 meets the State requirement in American History and Institutions.

Transfer acceptability: CSU; UC

C-ID POLS 110 for POSC 101 and 102 combined

A study of the development of American political institutions, the basic features of the Constitution, and major court interpretations that affect our lives today. Special attention will be given to evolution of political rights and individual liberties, the electoral process and fundamental concepts of democracy, liberty, diversity, and equality.

POSC 102 Introduction to United States and California Governments (3)
 3 hours lecture

Note: This course plus POSC 101 meets the State requirement in American History and Institutions.

Transfer acceptability: CSU; UC

C-ID POLS 110 for POSC 101 and 102 combined

An examination of the US Constitution as it relates to the major institutions of government: the Congress, the Presidency, and the Supreme Court. It also emphasizes social, economic, and foreign policy so that students will have an understanding of the issues they face in the contemporary era. California history and government, another course component, will be compared and contrasted to the national political system.

POSC 110 Introduction to World Politics (3)
 3 hours lecture

Transfer acceptability: CSU; UC

Sources and uses of power in the arena of international politics. Causes and consequences of 20th century wars. The balance of power, history, geography, military and economic potential will be examined to show their impact on foreign policies of the United States, Europe, Russia, Japan, China and less-developed states. Uses of military force, economic leverage, diplomacy, law, etc., discussed as approaches to limit war.

POSC 120 California Government (1)
 1 hour lecture

Transfer acceptability: CSU

Intended for students who have completed the American History and Institutions requirements for the A.A. Degree or CSU General Education, but have not met the California Constitution requirement. Organization and operation of California state and local government. Stress upon citizen participation in the decision making process.

POSC 197 Political Science Topics (.5 - 4)

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.

Topics in Political Science. See Class Schedule for specific topic offered. Course title will designate subject covered.

POSC 295 Directed Study in Political Science (1, 2, 3)

3, 6, or 9 hours laboratory

Prerequisite: Approval of project or research by department chairperson

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.

Independent study designed for advanced students who have demonstrated a proficiency in political science subjects and have the initiative to work independently on projects or research that does not fit into the context of regularly scheduled classes. Students will work under the personal supervision of an instructor.

Psychology (PSYC)

Contact the Behavioral Sciences Department for further information.

(760) 744-1150, ext. 2329

Office: MD-241

For transfer information, consult a Palomar College Counselor.

Associate in Science Degrees -

AS Degree requirements are listed in Section 6 (green pages).

- Alcohol and Other Drug Studies

Associate in Arts Degrees -

AA Degree requirements are listed in Section 6 (green pages).

- Psychological and Social Services

Associate in Arts for Transfer -

AA-T, IGETC, and CSUGE requirements are listed in Section 6 (green pages).

- Psychology

Certificates of Achievement -

Certificate of Achievement requirements are listed in Section 6 (green pages).

- Alcohol and Other Drug Studies
- Psychological and Social Services

PROGRAMS OF STUDY

Alcohol and Other Drug Studies

Provides the student with the academic training and hands on experience for entry-level employment in delivery of alcohol and other drug treatment services in agency settings and serves as a preparation for California state examinations as a certified addictions treatment counselor by CAADE and as a certified alcoholism and drug abuse counselor by CAADAC.

A.S. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units
PSYC 100 Introduction to Psychology	3
PSYC/SOC/ AODS 150 Introduction to Alcohol and Other Drug Studies	3
PSYC/SOC/ AODS 155 The Physiology and Pharmacology of Psychoactive Drugs	3
PSYC/SOC/ AODS 160 Prevention, Intervention, and Education	3
PSYC 225 Psychology of Abnormal Behavior	3
PSYC/SOC/ AODS 250 Group Leadership and Process	3
PSYC/SOC/ AODS 255 Case Management, Law and Ethics	3

PSYC/SOC/ AODS 260 Chemical Dependency Family Counseling	3
PSYC/SOC/ AODS 299 Directed Field Experience II	6

Group One (Select 3 units)

SOC 100 Introduction to Sociology	3
SOC 110 Social Problems	3

Group Two (Select 4-5 units)

PSYC/SOC/ AODS 140 Introduction to Psychological and Social Services	4
PSYC/SOC/ AODS 298 Directed Field Experience I	5

TOTAL UNITS 37 - 38

Alcohol and Other Drug Studies is also listed in Alcohol and Other Drug Studies.

Psychological and Social Services

Provides the student with the academic training and hands on experience for entry-level employment in human services and serves as preparation for upper division course work.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units
COUN 100 Introduction to Basic Counseling Skills	3
PSYC 100 Introduction to Psychology	3
PSYC/SOC/ AODS 140 Intro to Psychological and Social Services	4
PSYC 225 Psychology of Abnormal Behavior	3
PSYC 235 Learning/Behavior Modification	3
PSYC/SOC/ AODS 298 Directed Field Experience I	5
SOC 100 Introduction to Sociology	3
SOC 110 Social Problems	3

Electives (Select 3 units)

PSYC/SOC 105 Marriage, Family and Intimate Relationships	3
PSYC 110 Developmental Psychology – Child/Adult	3
PSYC 115 Psychology of Personal Growth	3
PSYC 120 Social Psychology	3
PSYC/SOC 145 Psychology and Sociology of Aging	3
PSYC/SOC/ AODS 155 Physiology/Pharmacology of Psychoactive Drugs	3

TOTAL UNITS 30