

Health (HE)

Contact the Physical Education Department for further information, (760) 744-1150, ext. 2462

COURSE OFFERINGS

HE 100 Health Education and Fitness Dynamics (3)

2 hours lecture-2 hours lecture/laboratory

Transfer acceptability: CSU; UC

Individual well-being will be developed through the study of the emotional, spiritual, intellectual, social, and physical qualities of health. Physical activities in lab setting will be used to support and reinforce the applicable areas.

HE 165 Fundamentals of Nutrition (3)

3 hours lecture

Note: Cross listed as FCS 165

Transfer acceptability: CSU; UC – FCS 165, FCS 185, BIOL 185, HE 165 combined: maximum credit, one course; CAN FCS 2

The study of how food nourishes the body. Investigation of diet fads and fallacies. Eating for fitness, and planning meals for optimum health throughout the life cycle.

HE 197 Current Topics in Health (1,2,3)

1, 2, or 3 hours lecture

Note: May be taken 4 times with different subject matter

Transfer acceptability: CSU

Current issues in health education meeting student and community educational needs dealing with the social, mental, and physical aspects of personal health. Course title will designate subject covered.

Health Occupations

See Emergency Medical Education, Dental Assisting, Medical Assisting, and Nursing Education

History (HIST)

Contact the Economics, History and Political Science Department for further information, (760) 744-1150, ext. 2412

COURSE OFFERINGS

HIST 101 History of the United States Through Reconstruction (3)

3 hours lecture

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

Transfer acceptability: CSU; UC – HIST 101 and 102 or AS 101 and 102 combined: maximum credit, one pair; CAN HIST 8; HIST 101+102=CAN HIST SEQ B

Political, economic, social, and cultural development of the American people through Reconstruction with particular emphasis on the colonial period; the Revolution; constitutional development; westward expansion with emphasis on California and frontier influences; emergence of sectionalism; the Civil War and Reconstruction.

HIST 102 History of the United States Since Reconstruction (3)

3 hours lecture

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

Transfer acceptability: CSU; UC – HIST 101 and 102 or AS 101 and 102 combined: maximum credit, one pair; CAN HIST 10; HIST 101+102=CAN HIST SEQ B

Political, economic, social, and cultural developments of the American people since Reconstruction. Emphasis will be on the westward and farm movements, industrial development, twentieth century reform movements, the United States as a world power, and civil rights. Special consideration will be given to the development of California state and local government.

HIST 105 History of Western Civilization Through the Reformation (3)

3 hours lecture

Transfer acceptability: CSU; UC; CAN HIST 2, HIST 105+106=CAN HIST SEQ A

A survey of ancient civilizations, Greece, Rome and medieval Europe, with emphasis on the heritage, ideas, attitudes, and institutions basic to Western Civilization.

HIST 106 History of Western Civilization Since the Reformation (3)

3 hours lecture

Transfer acceptability: CSU; UC; CAN HIST 4, HIST 105+106=CAN HIST SEQ A

Emergence of modern Europe, expansion of European power and influences; emphasis on cultural and intellectual trends which affect Western civilization in the Twenty-first Century.

HIST 107 World History to 1650 (3)

3 hours lecture

Transfer acceptability: CSU; UC

The growth of civilizations and the interrelationships of the peoples of Europe, Asia, Africa, and America to 1650.

HIST 108 World History Since 1650 (3)

3 hours lecture

Transfer acceptability: CSU; UC

The development of the civilizations and the interrelationships of the peoples of Europe, Asia, Africa, and America since 1650.

HIST 110 History of the Modern Far East (3)

3 hours lecture

Transfer acceptability: CSU; UC

A survey of the cultural, political, and economic trends in Eastern Asia during the Nineteenth and Twentieth Centuries; penetration and impact of the West; post World War II developments including revolution, independence, modernization, and communication.

HIST 114 American Military History (3)

3 hours lecture

Transfer acceptability: CSU; UC

Covers the American military experience from Colonial times to present.

HIST 121 History of California (3)

3 hours lecture

Transfer acceptability: CSU; UC

The history of California from the origins of the native peoples to the present. Course focuses on the events and people who shaped the development of California with an emphasis on the many diverse cultural elements (native peoples, Hispanics, Anglo-Americans, Asians, African-Americans, Pacific Islanders, and women) involved.

HIST 130 Women in United States History (3)

3 hours lecture

Transfer acceptability: CSU; UC

A survey of the changing role, status, and contributions of women in the United States from the colonial period to the present. Their social, economic, political, and religious positions in American society are examined.

HIST 135 American Involvement in Vietnam, 1945-1975 (3)

3 hours lecture

Transfer acceptability: CSU; UC

Surveys the political decisions, and the rationales behind them, that led to and increased American presence in Vietnam; examines the domestic impact of the commitment to Vietnam; analyzes aspects of the popular culture that reflect various interpretations of the war; the effect of American involvement on the Vietnamese people and nation will be addressed, but the focus will be on the meaning of Vietnam for the American National experience.

HIST 140 History of the Americas Through 1800 (3)

3 hours lecture

Note: This course plus HIST 141 meets the State requirement in American History and Institutions.

Transfer acceptability: CSU; UC

Surveys the evolution of the political, economic, and social institutions of the societies of Western Hemisphere from the 14th

through the 18th centuries. Examines major pre-Columbian Indian Cultures, European exploration and colonization, life in the colonial Americas, and the achievement of independence by the United States. Latin America, Canada, and the United States are studied from a comparative perspective. Included is consideration of the Constitution of the United States.

HIST 141 History of the Americas Since 1800 (3)
3 hours lecture

Note: This course plus HIST 140 meets the State requirement in American History and Institutions.

Transfer acceptability: CSU; UC

History of the American nations in the 19th and 20th centuries with emphasis on the Latin American wars of independence, inter-American relations, the foreign policy of the United States and its relation to Latin America, Canada's relations with other nations of the hemisphere, and the transition of Latin American society in the 20th century.

HIST 150 History of Latin America to 1824 (3)
3 hours lecture

Transfer acceptability: CSU; UC

A survey of the historical evolution of the peoples and states of Latin America with special attention to the indigenous states and empires of the Americas, their conquest by the Iberian nations of Europe, the creation of multi-racial colonial empires, and the growth of creole nationalism which led to the overthrow of the Iberian empires at the beginning of the 19th century.

HIST 151 History of Latin America from Independence to the Present (3)

3 hours lecture

Transfer acceptability: CSU; UC

A survey of the republics of Latin America since independence that concentrates on the political evolution of these nations and the social and economic institutions that characterize the region. Special attention will be given to the contrast between the urban and rural cultures and economies, as well as the political and economic relations of the region with the world and the United States in particular.

HIST 152 The World War II Generation (3)

3 hours lecture

Transfer acceptability: CSU; UC

Survey of the lives and experiences of the World War II Generation as they relate to four specific areas--the war in both the Pacific and in Europe, the Home Front, and American prisoners of war. Once each area is studied, students will have the opportunity to contrast the knowledge gained through their readings and classroom discussions with the reality of stories that focus on local representatives of the WW II Generation. Whenever possible, this will be done through panel discussion nights when community members of this generation visit the class and engage in a dialogue with students and each other on their war-time experiences.

HIST 197 History Topics (.5-4)

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

Note: May be taken 4 times

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

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

HIST 295 Directed Study in History (1,2,3)

3, 6, 9 hours laboratory

Prerequisite: Approval of project or research by department chairperson

Note: May be taken 4 times

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

Independent study for students who have demonstrated a proficiency in history 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.

Home Economics

See Family and Consumer Sciences, Fashion, Interior Design, Institutional Food Service, Child Development

Humanities (HUM)

Contact the English Department for further information, (760) 744-1150, ext. 2392

COURSE OFFERINGS

HUM 100 Introduction to Humanities (3)

3 hours lecture

Transfer acceptability: CSU; UC

This course examines significant movements and developments in literature and other arts in Western culture from classical times to the late Middle Ages. Emphasis is on ideas and their realization in works of art.

HUM 101 Introduction to Humanities (3)

3 hours lecture

Transfer acceptability: CSU; UC

This course is a general survey of the fine arts in the Western world. Arranged chronologically rather than thematically, the course material includes consideration of the major achievements of Western culture from the Renaissance until the present.

HUM 150 Humanities Through the Arts (3)

3 hours lecture

Transfer acceptability: CSU; UC

This telecourse examines significant artistic movements and developments in Western culture from classical times to the present. Emphasis is on ideas and their realization in the fields of art, including but not limited to: cinema, drama, music, literature, painting, sculpture, and architecture. Each of these arts is considered in terms of historical development, elements used in creating works of art, nature of form and structure, subject and content, critical evaluation.

HUM 197 Humanities Topics (.5-4)

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

Note: May be taken 4 times

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

Topics in Humanities. See class schedule for specific topic covered. Course title will designate subject covered.

Industrial Technology (IT)

See Cabinet and Furniture Technology, Drafting Technology, and Electronics and Computer Hardware Technology for additional courses

Contact the Trade and Industry Department for further information, (760) 744-1150, ext. 2545

COURSE OFFERINGS

IT 100 Technical Mathematics (3)

3 hours lecture

Methods and experience in defining and solving mathematical problems in industrial technology. Special emphasis will be given to the application of these basic processes to the solution of the unique mathematical problems encountered in the areas of architecture, automotive, drafting, machine, welding, and woodworking technology.

IT 110 How Things Work (2)

4 hours lecture/laboratory

Note: May be taken 2 times

An introduction to the inner workings of the machines around us, such as computers, automobiles, household appliances, and audio equipment. Hands-on experiments with readily available materials

will explain how our technical world works and how to fix it when it doesn't.

IT 197 Industrial Technology Topics (5-4)

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

Note: May be taken 4 times

Topics in Industrial Technology. See class schedule for specific topic covered. Course title will designate subject covered.

Institutional Food Service Training (IFS)

Contact the Design and Consumer Education Department for further information, (760) 744-1150, ext. 2349

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

PROGRAMS OF STUDY

Child Nutrition General Assistant

Prepares students for employment as general assistants in child nutrition food service facilities.

Certificate of Proficiency

Program Requirements	Units
IFS 100 Food Safety	3
IFS 101 or Basic Skills/Basic Foods	
IFS 120 Introduction to Child Nutrition	1,3
FCS/HE 165 Fundamentals of Nutrition	3
TOTAL UNITS	7 - 9

Child Nutrition Site Manager

Prepares students for employment as managers in child nutrition food service facilities.

A.A. Degree Major or Certificate of Achievement

Program Requirements	Units
IFS 100 Food Safety	3
IFS 101 or Basic Skills/Basic Foods	
IFS 120 Introduction to Child Nutrition	1,3
IFS 105 Employee Dev/Supervision for Food Services	3
IFS 110 Food Production Management	3
IFS 146 Financial Management for Food Services	3
FCS/HE 165 Fundamentals of Nutrition	3
TOTAL UNITS	16 - 19

Recommended Elective: FCS 150

Child Nutrition Substitute

Prepares students for employment as substitutes in child nutrition food service facilities.

Certificate of Proficiency

Program Requirements	Units
IFS 100 Food Safety	3
IFS 101 or Basic Skills/Basic Foods	
IFS 120 Introduction to Child Nutrition	1,3
TOTAL UNITS	4 - 6

Child Nutrition Technical Assistant

Prepares students for employment as technical assistants in child nutrition food service facilities.

Certificate of Proficiency

Program Requirements	Units
IFS 100 Food Safety	3
IFS 101 or Basic Skills/Basic Foods	
IFS 120 Introduction to Child Nutrition	1,3
FCS/HE 165 Fundamentals of Nutrition	3
TOTAL UNITS	7 - 9

Dietetic Service Supervisor

Prepares students for employment as managers or workers in health care institutions. Students should be aware that not all Institutional Food Service Training courses are offered every semester. See Class Schedule or Department Chairperson for additional information.

These courses are also required for a Certificate of Achievement by the State of California, Department of Health Services, Licensing and Certificate Division.

A. A. Degree Major or Certificate of Achievement

Program Requirements	Units
IFS 100 or Food Safety	3
IFS 102A and Food Safety Module 1	
IFS 102B and Food Safety Module 2	
IFS 102C Food Safety Module 3	3
IFS 105 Employee Dev/Supervision for Food Services	3
IFS 110 Food Production Management	3
IFS 115 Modified Diets	3
FCS/HE 165 Fundamentals of Nutrition	3
TOTAL UNITS	18

Recommended Elective: FCS 150

COURSE OFFERINGS

Courses numbered under 50 are non-degree courses.

Courses numbered under 100 are not intended for transfer credit.

IFS 45 Firehouse Cooking Skills/Culinary Arts (3)

3 hours lecture

Basic cooking, nutrition, and meal planning skills will be developed for individuals working in a firehouse setting. Instruction will stress proper sanitation and safety methods for preparing meals for a group.

IFS 100 Food Safety (3)

3 hours lecture

Transfer acceptability: CSU

Principles for prevention of foodborne illnesses during food production. Safe food handling practices applied to purchasing, receiving, storage, preparation, and service. Food microbiology, personal hygiene, maintaining sanitary equipment and facilities, accident prevention, crisis management and regulatory issues explored. Hazard analysis critical control point (HAACP) and current FDA Food Code discussed.

IFS 101 Basic Skills/Basic Foods (3)

6 hours lecture/laboratory

Entry-level preparation for employment in food service. Large quantity food preparation and effective use of resources and equipment.

IFS 102A Food Safety Module 1 (1)

1 hour lecture

Transfer acceptability: CSU

Microworld and foodborne illness.

IFS 102B Food Safety Module 2 (1)

1 hour lecture

Transfer acceptability: CSU

Food safety in production.

IFS 102C Food Safety Module 3 (1)

1 hour lecture

Transfer acceptability: CSU

Food safety application. Students completing IFS 102A, 102B, and 102C are eligible to take a nationally approved food safety manager's examination.

IFS 105 Employee Development and Supervision for Food Services (3)

3 hours lecture

Management theory especially for beginning or first-line supervisors. Communications, motivation, work climate, job descriptions, employee recruitment, performance evaluation, employee discipline, and productivity. Uses common food service problems to develop skills, attitudes, and abilities needed to manage people successfully.

IFS 110 Food Production Management (3)

2 hours lecture-3 hours laboratory

Quantity food preparation with emphasis on food production management, and the effective use of time and equipment. Food preparation processes and techniques including organization for presentation and service. Experiences to develop menu planning and cooking judgment, recipe conversions and substitutions, and production supervisor responsibilities.

IFS 115 Modified Diets (3)

2 hours lecture-3 hours laboratory

Recommended preparation: FCS/HE 165

Transfer acceptability: CSU

Principles of nutrition as they relate to special and abnormal physical conditions. Effect of proper nutrition upon the body, nutritional assessment/screening techniques, medical terminology, care planning/charting, state and federal regulations. Routine hospital diets will be studied and planned in depth along with dietary modifications necessary for disease conditions or surgical/medical problems. Case studies will be presented. Field experience in a health care setting will be arranged by the instructor.

IFS 120 Introduction to Child Nutrition (1)

1 hour lecture

The scope, organization, and responsibilities of child nutrition food service. Job positions at all levels are discussed including education and experience requirements, personal qualifications, job responsibilities, and future opportunities.

IFS 146 Financial Management for Food Services (3)

3 hours lecture

Managerial concepts of cost control, food control and necessary report forms for analysis of inventory and forecasting procedures.

IFS 197 Institutional Food Service Training Topics (.5-4)

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

Note: May be taken 4 times

Topics in Institutional Food Service Training. See Class Schedule for specific topic offered. Course title will designate subject covered.

Interior Design (ID)

Contact the Design and Consumer Education Department for further information, (760) 744-1150, ext. 2349

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

Students should be aware that not all Interior Design courses are offered every semester. See Class Schedule or Department Chairperson for additional information.

PROGRAMS OF STUDY

Interior Design

Coordinated by educators and professional interior

designers, this certificate of achievement and A.A. degree major offers an interdisciplinary approach to fundamental design, space planning, design analysis, and materials selection and specifications relating to residential and commercial spaces.

Prepares students to pursue employment in the interior design field with emphasis on retail furnishings and merchandising.

Certificate of Achievement

Program Requirements	Units
First Semester	
ID 100 Interior Design	3
ID 105 Materials and Processes in Interior Design	3
BUS 140 Selling for Business	3
Second Semester	
ID 110 Professional Practices in Interior Design	3
ID 135 Fabrics for Designers	3
ID 150 Computer Aided Drafting for Designers (CADD)	3
CE 150 Cooperative Education Internship	2-3
TOTAL UNITS	20 - 21

Recommended Electives: ID 115, 120, 130, 145, 198

Interior Design

Coordinated by educators and professional interior designers, this certificate of achievement and A.A. degree major offers an interdisciplinary approach to fundamental design, space planning, design analysis, and materials selection and specifications relating to residential and commercial spaces.

Prepares students to pursue employment in the interior design field.

A.A. Degree Major

Program Requirements	Units
First Semester	
ID 100 Interior Design	3
ID 105 Materials and Processes in Interior Design	3
ID 115 History of Decorative Arts I	3
DT 105 Basic Architectural Drafting	3
Second Semester	
ID 110 Professional Practices in Interior Design	3
ID 120 History of Decorative Arts II	3
ID 135 Fabrics for Designers	3
ID 150 Computer Aided Drafting for Designers (CADD)	3
ID 125 Presentation Methods in Interior Design I	3
Third/Fourth Semesters	
ID 130 Light and Color	3
ID 140 Residential Interior Design	3
ID 141 Commercial Interior Design	3
ID 160 Interior Illustration	3
ID 170 Space Planning	3
CE 150 Cooperative Education Internship	2-3
TOTAL UNITS	44 - 45

Recommended Electives: ART 100, 102, 210; BUS 140; CI 100; ID 145, 151

COURSE OFFERINGS

ID 100 Interior Design (3)

3 hours lecture

Transfer acceptability: CSU

The study of functional and aesthetic interior design principles used to create residential interiors. Beginning drafting, space planning, the use of color and the application of these skills in design are stressed. A survey of major twentieth-century architects and designers and their influence on design and lifestyle is analyzed. Instruction is given in furniture arrangement and selection, materials selection, lighting, and the effects of environmental design on human behavior.

- ID 105 Materials and Processes in Interior Design (3)**
3 hours lecture
Transfer acceptability: CSU
 Selection, care, and use of materials used in residential and commercial interior design.
- ID 110 Professional Practices in Interior Design (3)**
3 hours lecture
Transfer acceptability: CSU
 Specific business and professional practices as they apply to residential and commercial interior design. Career opportunities, personal qualifications, and skills required for employment are also presented.
- ID 115 History of Decorative Arts I (3)**
3 hours lecture
Transfer acceptability: CSU
 The history of European furniture architecture and decorative arts from antiquity to the 19th Century. Emphasis on the contributions of religious, political, and social influences in the decorative arts.
- ID 120 History of Decorative Arts II (3)**
3 hours lecture
Transfer acceptability: CSU
 The historical relationship between decorative arts, furniture styles, and interior architecture is illustrated in this overview of design heritage. This course begins with 16th century England and America and analyzes the influences and changes in design to the present. Emphasis is placed on style development as it relates to political, economic, and social forces.
- ID 125 Presentation Methods in Interior Design I (3)**
6 hours lecture/laboratory
Transfer acceptability: CSU
 Form-space comprehension in relationship to furniture placement through residential and commercial design drawing exercises, including one- and two-point perspective problems.
- ID 130 Light and Color (3)**
3 hours lecture
Transfer acceptability: CSU
 Principles and application of light and its effect on color and the design process in interiors, architecture, and visual merchandising. Emphasizes lighting needs, light sources, light calculations, and energy conservation.
- ID 135 Fabrics for Designers (3)**
3 hours lecture
Transfer acceptability: CSU
 Selection, use and care of fabrics used in residential and commercial interiors. Emphasis on designer selection and specification of fabrics for upholstering furniture, window treatments, floor coverings, and accessories. Includes survey and selection of historic fabrics in interiors.
- ID 140 Residential Interior Design (3)**
3 hours lecture
Prerequisite: ID 100
Recommended preparation: ID 125
Transfer acceptability: CSU
 Development of residential interiors from design concept to installation. Includes materials specifications and design sources. Emphasizes budget analysis, architectural drawings, furniture, and lighting plans.
- ID 141 Commercial Interior Design (3)**
3 hours lecture
Prerequisite: ID 100
Transfer acceptability: CSU
 Development of non-residential spaces from design concept to installation. Includes health care facilities and open-office interiors. Emphasizes client analysis, space planning, materials specifications, architectural drawings, lighting plans, and budget analysis.
- ID 145 Kitchen Design (3)**
3 hours lecture
Transfer acceptability: CSU
 Focuses on the principles and procedures involved in designing the kitchen for the most efficient residential and commercial use. Concentrates on the major aspects of planning the kitchen with special consideration of selection and location of equipment; arrangement of work and storage spaces; standards for appliances; health, safety and human anatomy; San Diego Building Codes and Minimum Property Standards; detailed floor plan, working drawings, and cost estimates for labor and material.
- ID 150 Computer Aided Drafting for Designers (CADD) (3)**
6 hours lecture/laboratory
Transfer acceptability: CSU
 Introduction to computer aided drafting for interior designers, to include three-dimensional rendering, barrier free design, and floor plan layouts.
- ID 151 Advanced Computer Aided Drafting for Designers (3)**
6 hours lecture/laboratory
Transfer acceptability: CSU
 Advanced applications and topics include prototype drawings, blocks and creating specific libraries, isometric illustration, presentation slide shows, basic and advanced 3-D, and external references. Meets the current needs of the professional working designer.
- ID 160 Interior Illustration (3)**
3 hours lecture
Recommended preparation: ID 100
Transfer acceptability: CSU
 Application of the methods, techniques, and tools used for illustrating interior spaces and products.
- ID 165 Interior Design Laboratory (1)**
3 hours laboratory
Note: Credit/No Credit grading only; May be taken 4 times
Transfer acceptability: CSU
 Enhancement of skills by supervised practice and active participatory experience in individual study. Content to be determined by the need of the student in agreement with and under observation and direction of the instructor.
- ID 170 Space Planning (3)**
3 hours lecture
Prerequisite: ID 100
Transfer acceptability: CSU
 The application of programming, theory, and techniques in residential and commercial space planning. Skills in drafting and presentation techniques are emphasized.
- ID 195 Field Studies in Design (2)**
4 hours lecture/laboratory
Note: May be taken 2 times
Transfer acceptability: CSU
 Tours various locations of the design industry to examine processes of design in furnishings, wall coverings, and textiles. Visits to wholesale showrooms, museums, and places of historic or architectural interest that influence the interior design market
- ID 197 Interior Design Topics (.5-4)**
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule
Note: May be taken 4 times
Transfer acceptability: CSU
 Topics in Interior Design. See Class Schedule for specific topic offered. Course title will designate subject covered.
- ID 198 Skills in Quick Sketch (.5)**
1 hour lecture/laboratory
 Instruction in a practical rough drawing skill, and rapid visualization techniques used to represent concept interiors. Emphasis is on simplified mechanical and freehand systems of drawing. On-site applications and quick visual reproductions for interior or architectural modeling will be emphasized.
- ID 295 Directed Study in Interior Design (1,2,3)**
3, 6, or 9 hours laboratory
Prerequisite: Approval of project or research by department chairperson/director
Note: May be taken 4 times

Transfer acceptability: CSU

Independent study for students who have demonstrated skills and/or proficiencies in Interior Design subjects and have the initiative to work independently on projects or research outside the context of regularly scheduled classes. Students will work under the personal supervision of an instructor.

International Business (IBUS)

Contact the Business Education Department for further information, (760) 744-1150, ext. 2488

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

PROGRAM OF STUDY

International Business

This program is designed to prepare individuals for a career in international business and/or management.

A.A. Degree Major or Certificate of Achievement

Program Requirements	Units
ACCT 103 Financial Accounting	4
ACCT 104 Accounting Electronic Spreadsheet Laboratory	1
BUS 110 Business Mathematics	3
BUS 205 Business Writing	3
BUS 100 Introduction to Business	3
BUS 155 Marketing	3
IBUS 100 Intro to Int'l Business Mgmt	3
IBUS 105 International Marketing	3
IBUS 110 Cultural Environment/Int'l Business	3
IBUS 115 International Banking and Finance	3
IBUS 120 Essential/Import/Export Procedures	3
CE 100 Cooperative Education	2,3,4
TOTAL UNITS	34 - 36

Recommended Electives: ANTH 105, 145; ECON 110; GEOG 105; HIST 110; PHIL 110; POSC 110

COURSE OFFERINGS

IBUS 100 Introduction to International Business and Management (3)

3 hours lecture

Recommended preparation: BUS 100

Transfer acceptability: CSU

Surveys the international dimension of business including trade, financial, economic, cultural framework, foreign investment patterns, and international managerial problems and policies at the corporate level. Also covers the role of the international manager with regard to entering foreign markets and supervising operations in existing markets, and the pros and cons of protectionism.

IBUS 105 International Marketing (3)

3 hours lecture

Recommended preparation: IBUS 100

Transfer acceptability: CSU

Surveys international organizations' basic elements for developing markets. Analyzes the market design and the techniques necessary to develop business within selected regions of the world. Discusses the impact due to differences in customs, languages, attitudes, and culture.

IBUS 110 The Cultural Environment of International Business (3)

3 hours lecture

Recommended preparation: IBUS 100

Transfer acceptability: CSU

Focuses on the cultural environment of international business affecting the conduct of four regions in the Pacific Rim: Canada, Asia, Latin America, and Russia. Students examine the nature and evolution of culture, language, education, religion, and values as they

apply to business situations. Examines the differences surrounding political and managerial practices in selected societies.

IBUS 115 International Banking and Finance (3)

3 hours lecture

Recommended preparation: IBUS 100

Transfer acceptability: CSU

Provides an awareness of the applicability and limitations of business finance theories and practices when applied to the financial management of international business. Also emphasizes the international dimension of banking and finance through the foreign exchange rates and markets. Introduces students to foreign currency loans, capital budgeting for foreign projects, and examines many of the significant policies and sources of international funds.

IBUS 120 Essentials of Import/Export Procedures (3)

3 hours lecture

Recommended preparation: IBUS 100

Transfer acceptability: CSU

Application of practical aspects of export and import procedures by international business: organization, development of foreign sales, export and import procedures, and regulations and documentation of financial operations of global trade.

IBUS 197 International Business Topics (.5-4)

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

Note: May be taken 4 times

Transfer acceptability: CSU

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

Internet

See Business Education and Graphic Communications

Italian (ITAL)

Contact the Foreign Languages Department for further information, (760) 744-1150, ext. 2390

COURSE OFFERINGS

For students who have completed foreign language course work at the high school level, and need clarification regarding placement in college level course work, contact the Counseling Center. Universities have varying policies regarding the granting of transfer credit when there is a combination of high school and college level course work.

ITAL 101 Italian I (5)

5 hours lecture-1 hour laboratory

Transfer acceptability: CSU; UC

This course is the first semester of Italian. This elementary level course is a study of the Italian language and Italian-speaking cultures, with emphasis on the development of communicative skills and basic structures. Course combines in-class instruction and practice with self-paced study in the Foreign Language Laboratory. This beginning-level course is for students with no previous coursework in Italian.

ITAL 102 Italian II (5)

5 hours lecture-1 hour laboratory

Prerequisite: ITAL 101 or two years of high school Italian

Transfer acceptability: CSU; UC

This course is the first semester of Italian. This elementary level course is a study of the Italian language and Italian-speaking cultures, with emphasis on the development of communicative skills and basic structures. Course combines in-class instruction and practice with self-paced study in the Foreign Language Laboratory. This beginning-level course is for students with no previous coursework in Italian.

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

Note: May be taken 4 times

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

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

ITAL 201 Italian III (5)

5 hours lecture

Prerequisite: ITAL 102 or three years of high school Italian

Transfer acceptability: CSU; UC

This course is the second semester of Italian. This elementary level course is a study of the Italian language and Italian-speaking cultures, with emphasis on the development of communicative skills and basic structures. Course combines in-class instruction and practice with self-paces study in the Foreign Language Laboratory.

ITAL 201A Italian IIIA (3)

3 hours lecture

Prerequisite: ITAL 110 or three years of high school Italian

Transfer acceptability: CSU; UC – ITAL 205 and 206 combined; maximum credit, 5 units; UC – both courses must be taken for transfer credit to be given

Italian 201A is equivalent to the first half of Italian 201. This intermediate level course is a study of the Italian language and Italian-speaking cultures, focusing on intermediate level structures and readings of culturally relevant authentic materials. Emphasis is on developing oral, listening, reading and writing skills in order to acquire proficiency in Italian. Class is largely conducted in Italian.

ITAL 201B Italian IIIB (3)

3 hours lecture

Prerequisite: ITAL 201A

Transfer acceptability: CSU; UC – ITAL 205 and 206 combined; maximum credit, 5 units; UC – both courses must be taken for transfer credit to be given

Italian 201B is equivalent to the second half of Italian 201, and is a continuation of Italian 201A. This intermediate level course is a study of the Italian language and Italian-speaking cultures, focusing on intermediate level structures and readings of culturally relevant authentic materials. Emphasis is on developing oral, listening, reading and writing skills in order to acquire proficiency in Italian. Class is largely conducted in Italian.

Japanese (JAPN)

Contact the Foreign Languages Department for further information, (760) 744-1150, ext. 2390

COURSE OFFERINGS

For students who have completed foreign language course work at the high school level, and need clarification regarding placement in college level course work, contact the Counseling Center. Universities have varying policies regarding the granting of transfer credit when there is a combination of high school and college level course work.

JAPN 101 Japanese I (5)

5 hours lecture-1 hour laboratory

Transfer acceptability: CSU; UC - JAPN 101+102=CAN JAPN SEQ A

This course is the first semester of Japanese. This elementary level course is a study of the Japanese language and Japanese-speaking cultures, with emphasis on the development of communicative skills and basic structures. The course includes a study of fundamental grammar, idiomatic expressions, Hiragana and Katakana (Japanese alphabets). Course combines in-class instruction and practice with self-paces study in the Foreign Language Laboratory. This beginning-level course is for students with no previous coursework in Japanese.

JAPN 101A Japanese IA (3)

3 hours lecture

Transfer acceptability: CSU; UC – JAPN 101A and 101B combined; maximum credit, 5 units; UC – both courses must be taken for

transfer credit to be given

Japanese 101A is equivalent to the first half of Japanese 101. This elementary level course is a study of the Japanese language and Japanese-speaking cultures, with emphasis on the development of communicative skills and basic structures. This beginning-level course is for students with no previous coursework in Japanese.

JAPN 101B Japanese IB (3)

3 hours lecture

Prerequisite: JAPN 101A

Transfer acceptability: CSU; UC – JAPN 101A and 101B combined; maximum credit, 5 units; UC – both courses must be taken for transfer credit to be given

Japanese 101B is equivalent to the second half of Japanese 101, and is a continuation of Japanese 101A. This elementary level course is a study of the Japanese language and Japanese-speaking cultures, with emphasis on the development of communicative skills and basic structures.

JAPN 102 Japanese II (5)

5 hours lecture-1 hour laboratory

Prerequisite: JAPN 101, or JAPN 101A and 101B or two years of high school Japanese

Transfer acceptability: CSU; UC - JAPN 101+ 102=CAN JAPN SEQ A

This course is the second semester of Japanese. This elementary level course is a study of the Japanese language and Japanese-speaking cultures, with emphasis on the development of communicative skills and basic structures. The course includes a study of fundamental grammar, idiomatic expressions, Kanji (Chinese characters) in addition to Hiragana and Katakana (Japanese alphabets). Course combines in-class instruction and practice with self-paces study in the Foreign Language Laboratory.

JAPN 197 Japanese Topics (5-5)

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

Note: May be taken 4 times

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

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

JAPN 201 Japanese III (5)

5 hours lecture

Prerequisite: JAPN 102 or three years of high school Japanese

Transfer acceptability: CSU; UC

This course is the third semester of Japanese. This intermediate level course is a study of the Japanese language and Japanese-speaking cultures, focusing on intermediate level structures and readings of culturally relevant authentic materials. Emphasis is on developing oral, listening, reading and writing skills in order to acquire proficiency in Japanese.

JAPN 202 Japanese IV (5)

5 hours lecture

Prerequisite: JAPN 201 or four years of high school Japanese

Transfer acceptability: CSU; UC

This course is the fourth semester of Japanese. This intermediate level course is a study of the Japanese language and of special topics on the culture of the Japanese-speaking world. Emphasis is on further development of cross-cultural awareness, as well as, the development of oral, listening, reading and writing skills in order to improve communicative competence in Japanese.

Journalism (JOUR)

Contact the Communications Department for further information, (760) 744-1150, ext. 2440. For transfer information, consult a Palomar College counselor.

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

PROGRAMS OF STUDY

Journalism

Provides a background in communication theory and history; practical experience in gathering, writing, editing, and displaying news; and actual newspaper production experience.

A.A. Degree Major or Certificate of Achievement

Program Requirements		Units
JOUR 101	News Writing and Reporting	3
JOUR 105	Newspaper Production	3
JOUR 205	Advanced Newspaper Production	3
JOUR 210	Advanced Newswriting and Reporting	3
JOUR 215	Newspaper Editing	3
JOUR 110L	Journalism Laboratory	1,2
GC/RGC 149	Page Layout and Design I	3
PSYC 100 or	Intro to Psychology	
SOC 100	Intro to Sociology	3
POSC 101	Intro Politics/American Political Institutions	3
POSC 102	Intro to U. S. and California Governments	3
ENG 100	English Composition	4
COMM 100or	Mass Media in America	
COMM 105	Human Values in the Mass Media	3
TOTAL UNITS		35 - 36

Recommended Electives: JOUR/PHOT 140, JOUR 103, JOUR 295
 Note: JOUR 105, 205, 210, and 215 may not be taken concurrently.

COURSE OFFERINGS

- JOUR 101 News Writing and Reporting (3)**
3 hours lecture
Transfer acceptability: CSU; CAN JOUR 2
 Principles of basic journalism. Development of news judgment and clear writing skills. Evaluation of news reporting techniques and sources, and ethical and legal considerations. Emphasis on practical application for newspaper journalism.
- JOUR 103 Feature Writing (3)**
3 hours lecture
Transfer acceptability: CSU; CAN JOUR 2
 Principles of newspaper and magazine feature writing. Development of clear writing skills. Evaluation of interviewing techniques and information gathering. Applications of ethical and legal standards. Emphasis on practical application for newspaper and magazine journalism.
- JOUR 105 Newspaper Production (3)**
3 hours lecture
Prerequisite: JOUR 101
Corequisite: JOUR 110L
Transfer acceptability: CSU
 Journalism for the student who wants practical application in newspaper work. Emphasis is on writing and editing for Palomar College's newspaper, The Telescope.
- JOUR 110L Journalism Laboratory (1,2)**
3 or 6 hours laboratory
Note: May be taken 4 times
Transfer acceptability: CSU
 Practice in copywriting, layout, headline writing, and other skills necessary to produce the campus newspaper, The Telescope, or in related journalism projects.
- JOUR 140 Photojournalism (3.5)**
7 hours lecture/laboratory
Prerequisite: PHOT 100 or 110
Note: Cross listed as PHOT 140
Transfer acceptability: CSU
 A study of the history and practice of photojournalism, providing specific application through photographing for The Telescope, Palomar College's newspaper. Student must provide own camera.

JOUR 205 Advanced Newspaper Production (3)
3 hours lecture
Prerequisite: JOUR 105
Corequisite: JOUR 110L
Transfer acceptability: CSU
 Advanced work in the production of The Telescope. Emphasis is on writing, photography, page layout and graphic design.

JOUR 210 Advanced Newswriting and Reporting (3)
3 hours lecture
Prerequisite: JOUR 205
Corequisite: JOUR 110L
Transfer acceptability: CSU
 Practical newswriting experience through work on The Telescope staff. All journalistic skills are refined and augmented in this course. Accurate reporting and development of compelling, clear, and concise writing technique are stressed.

JOUR 215 Newspaper Editing (3)
3 hours lecture
Prerequisite: JOUR 210
Corequisite: JOUR 110L
Transfer acceptability: CSU
 Basic skills involved in editing a newspaper, including news judgment, directing reporting staff, copy editing, headline writing, page layout, selection and placement of photos, and computerized page design. All skills are practiced in actual editorial situations for the Palomar College newspaper, *The Telescope*.

JOUR 295 Directed Study in Journalism (1,2,3)
3, 6, or 9 hours laboratory
Prerequisite: Approval of project or research by department chairperson/director
Note: May be taken 4 times
Transfer acceptability: CSU
 Independent study for students who have demonstrated skills and/or proficiencies in Journalism subjects and have the initiative to work independently on projects or research outside the context of regularly scheduled classes. Students will work under the personal supervision of an instructor.

Judaic Studies (JS)

See Multicultural Studies for additional courses
 Contact the Multicultural Studies Department for further information, (760) 744-1150, ext. 2206

COURSE OFFERINGS

- JS 100 Introduction to Judaism (3)**
3 hours lecture
Transfer acceptability: CSU; UC
 The philosophy, religion and ethnic culture of the Jewish people from the Patriarchs and Prophets through the modern branches of Judaism. Topics covered include Torah, Talmud, various commentaries and movements affecting Judaism; ceremonies, artifacts, and language.
- JS 105 Introduction to Judaism II – Culture (3)**
3 hours lecture
Transfer acceptability: CSU; UC
 A survey of the cultural and historical roots of the Jewish people from 2000 B.C. to the present; their role in the ancient Near East; relationships in the Western World from the Greco-Roman period to the post-World War II era; creation and development of the state of Israel; cultural, religious, and political impact on America and the world community.

Legal Studies (LS)

See Paralegal Studies for additional courses
 Contact the Business Education Department for further information, (760) 744-1150, ext. 2488

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

PROGRAM OF STUDY

Legal Studies

The Legal Studies major leads to an A.A. degree or transfer program, providing students with general knowledge of the philosophy of law, the legal process, legal institutions, and legal reasoning. This is not a paralegal or a para-professional major but will prepare students for careers within the legal profession.

A.A. Degree Major

Program Requirements

LS/PLS 121	Introduction to Law	3
LS 145	Legal Ethics	3
LS/PLS 240	Civil Liberties and Procedures	3
LS/PLS 245	Civil Litigation I	3
LS/PLS 150	Legal Research	2
LS/PLS 155	Legal Writing	1
LS/PLS 290	Contemporary Legal Issues	2
PHIL 115	Logic and Critical Thinking	3
POSC 101	Intro Politics/Am Political Institutions	3
POSC 102	Intro U.S. /Calif Governments	3
POSC 110	Introduction to World Politics	3

Electives (Select 6 units)

AJ 100	Introduction to Criminal Justice	3
BUS 115	Business Law	3
LS/PLS 190	Clinical Studies	3
PLS 140	Contract Law	3
PLS 261	Torts and Personal Injury	3
PLS 263	Administrative Law and Procedure	2
PLS 265	Criminal Law and Procedure	2
LS 295	Directed Study in Legal Studies	1,2,3
TOTAL UNITS		35

Additionally, there is a requirement to demonstrate computer literacy. This requirement can be satisfied by completion of PLS 110 or BUS 170 and 171 or by examination.

Note: A.A. degree students must complete the following general education areas: English Composition, Natural Sciences, Humanities and Integrated Self and Lifelong Learning.

Legal Studies students should seek early advising for transfer.

COURSE OFFERINGS

LS 121 Introduction to Law (3)

3 hours lecture

Note: Cross listed as PLS 121

Transfer acceptability: CSU

An introduction to law and the legal system. Includes an examination of the federal and state court system, criminal law, civil law, administrative law, and procedural law.

LS 145 Legal Ethics (3)

3 hours lecture

Transfer acceptability: CSU

Legal ethics and professional responsibility within the legal profession. Focuses on standards required by the American Bar Association and other professional associations involving legal professionals working in the field of law.

LS 150 Legal Research (2)

2 hours lecture

Recommended preparation: A minimum grade of "C" in ENG 100

Note: Cross listed as PLS 150

Transfer acceptability: CSU

The fundamental aspects of legal research through an in-depth analysis of case law, statutory law and administrative law on both a Federal and State level. It will further instruct the student on the appropriate use of secondary sources used in legal research.

LS 155 Legal Writing (1)

1 hour lecture

Prerequisite: LS/PLS 150 and ENG 100

Note: Cross listed as PLS 155

Transfer acceptability: CSU

The techniques of legal writing and analysis as applied to the drafting of a legal memorandum, case briefing, and law office correspondence. Using legal research skills developed in PLS 150/LS 150 to formulate written answers, in proper legal format, to legal issues and questions presented.

LS 190 Clinical Studies (3)

9 hours laboratory

Prerequisite: LS/ PLS 121

Note: Cross listed as PLS 190; may be taken 3 times

Transfer acceptability: CSU

This course provides the student with an opportunity to gain practical work experience within the legal field. The student will complete 120 hours of work at the internship site and attend three seminars during the semester that will focus on transitioning to the work force.

LS 240 Civil Liberties and Procedures (3)

3 hours lecture

Note: Cross listed as PLS 240

Transfer acceptability: CSU

Recommended preparation: ENG 50 or eligibility for ENG 100

The study of the Bill of Rights and Supreme Court decisions focusing on civil rights and liberties. This area of constitutional law exams the relationship between individuals and government. Emphasis is on minority issues such as privacy, personal freedom, political equality, and first amendment jurisprudence.

LS 245 Civil Litigation I (3)

3 hours lecture

Prerequisite: LS/PLS 121

Note: Cross listed as PLS 245

Transfer acceptability: CSU

The basic principles of civil procedures as they apply to jurisdiction, venue and pleadings required from both complainant and defense as viewed within the California Court System.

LS 290 Contemporary Legal Issues (2)

2 hours lecture

Prerequisite: LS/ PLS 150

Note: Cross listed as PLS 290

Transfer acceptability: CSU

Contemporary legal issues will be explored by leading experts in the field via TV broadcasts. Seminars will be conducted for the purpose of further developing legal issues and completing a research project. Students will be encouraged to submit research projects to AAFPE for publication in the American Association for Paralegal Education Law Journal. This capstone course focuses on advanced legal writing, analysis, and research.

LS 295 Directed Study in Legal Studies (1,2,3)

3, 6, or 9 hours of laboratory

Prerequisite: Approval of project or research by department chairperson/director

Transfer acceptability: CSU

Independent study for students who have demonstrated skills and/or proficiencies in legal Studies subjects and have the initiative to work independently on projects or research outside the context of regularly scheduled classes. Students will work under the personal supervision of an instructor.

Liberal Studies

Contact the Counseling Center for further information, (760) 744-1150, ext. 2179

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

PROGRAMS OF STUDY

Liberal Arts and Sciences

The Liberal Studies discipline, leading to a Liberal Arts and Sciences degree, is designed to allow students to accumulate units to transfer to a four-year college or university. Such students should be knowledgeable of the specific general education requirements for the University of California

system, the California State University system, or private universities and colleges, as well as preparation for their particular discipline.

A.A. Degree Major

Select One Option

Although this degree recognizes the completion of lower division general education requirements, it does not guarantee admission to a four-year institution (with the exception of TAG – Option Three).

Option One

Complete the CSU General Education transfer certification pattern as listed in the green pages in Section 6 of this catalog.

Option Two

Complete the IGETC transfer certification pattern for either the CSU or UC system as listed in the green pages in Section 6 of this catalog.

Option Three

Complete the UCSD Transfer Admission Guarantee (TAG) requirements as specified on the TAG contract. See a counselor for TAG requirements.

Library Technology (LT)

Contact the Library Technology Department for further information, (760) 744-1150, ext. 2666

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

PROGRAM OF STUDY

Library Technology

Provides training for students desiring employment as library technical assistants and retraining for those reentering the labor market.

A.A. Degree Major or Certificate of Achievement

Program Requirements		Units
LT 100	Introduction to Libraries/Info Services	3
LT 110	Library Skills/Technical Services	3
LT 115	Library Operational Skills/Public Services	3
LT 120	Info Sources/Services/Reference	3
LT 130	Library Media and Technology	3
LT 140	Library Services Child/Young Adults	3
CSIS/ RCSIS 120	Microcomputer Applications	3
Group I (Select 3 – 4 units)		
BUS 125	Business English	3
BUS 205	Business Writing	3
ENG 100	English Composition	4
Group II (Select 3 units)		
CE 100	Cooperative Education	1,2,3
CE 150	Cooperative Education Internship	2,3
LT 197	Topics in Library Technology	.5-3
TOTAL UNITS		27 – 28

COURSE OFFERINGS

LT 100 Introduction to Libraries and Information Services (3)

3 hours lecture

Transfer acceptability: CSU

This course is an introduction to the philosophy of library service; history and types of libraries; organization and operation of libraries and history of information. The role of the library/media technician;

duties of the library/media technician in public services, reference, and technical services will also be introduced. Topics covered include the basic skills necessary for successful library employment including job search, application procedures, and the relationship of the LMTA to the Librarian, the library staff, and the community served.

LT 110 Library Operational Skills/Technical Services (3)

3 hours lecture

Transfer acceptability: CSU

This course is an introduction to the principles and practices of technical services including cataloging and acquisitions.

LT 115 Library Operational Skills/Public Services (3)

3 hours lecture

Transfer acceptability: CSU

This course will prepare the student to provide public service in the circulation area of the library. Students will be introduced to principles and practices of material shelving, interlibrary loan services, circulation of materials, fines, patron records, supervision, handling cash, maintaining statistics, and building security and emergency procedures.

LT 120 Information Sources and Services/Reference (3)

3 hours lecture

Transfer acceptability: CSU

This course prepares the student to provide assistance in reference services. Students will be introduced to principles and practices of reference interview, reference materials, database searching, online catalogs, World Wide Web searching and evaluation, and bibliographic instruction.

LT 130 Library Media and Technology (3)

3 hours lecture

Transfer acceptability: CSU

Prepares the student to use instructional media in the classroom and library/media center, with emphasis on the role and utilization of computers and other technology in education. Topics covered include the utilization of videotapes, graphics, and other projected and non-projected media, operation of appropriate equipment, and the production of transparencies, graphics and displays.

LT 140 Library Services for Children and Young Adults (3)

3 hours lecture

Transfer acceptability: CSU

Practical use of children's and young adults' materials for readers' advisory, research, and reference service in school library/media centers and public library youth services' departments. Current trends, concerns, and methodology for youth programming and literature activities will be covered.

LT 154 Information for Life Long Learning (3)

3 hours lecture

Transfer acceptability: CSU

This class will prepare students to locate, evaluate, and use information resources through the study of learning styles, goal setting, study skills, health and wellness, and human behavior. Students will work independently and in groups leading to an integrated understanding of themselves and the value of information.

LT 197 Topics in Library Technology (.5-3)

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

Note: May be taken 4 times

Transfer acceptability: CSU

Selected topics in Library Technology. Refer to the Class Schedule for topics covered.

Mathematics (MATH)

Contact the Mathematics Department for further information, (760) 744-1150, ext. 2535

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

Any student wishing to earn an A.A. Degree must meet competence requirements at the MATH 60 level. Methods by which a student can demonstrate competence are listed under "Competence Requirements" in front of this catalog. Students wishing to enroll in MATH 50, 50A, 56, 60, 110, 115, 120, 125, and 135 must participate in the mathematics placement process or meet the prerequisite listed in the catalog. The mathematics placement test may be taken two times within a two year period, through the Palomar College Counseling Center. The assessment and placement process determines eligibility for enrollment in these courses. Students interested in determining their readiness to enroll in MATH 140 may additionally request to take the College Algebra Asset Test. Arrangements for this test can be made in the Counseling Center.

PROGRAM OF STUDY

Mathematics

Provides the background to satisfy upper division course work in mathematics and for entry-level positions that require a knowledge of mathematics such as Technical Assistant and Mathematical Technician. The student is advised to check with the school to which he or she wishes to transfer for additional courses which may be required.

A grade of "C" or higher must be earned in all required courses. (The department chair/director may waive (1) "D" grade with justification. The Division Dean must also approve and sign these requests).

A.A. Degree Major

Program Requirements	Units
MATH 140 Calculus with Analytic Geometry, First Course	5
MATH 141 Calculus with Analytic Geometry, Second Course	4
MATH 205 Calculus with Analytic Geometry, Third Course	4
MATH 120 or Elementary Statistics	
MATH 200 or Introduction to Linear Algebra	
MATH 206 Calculus with Differential Equations	3,4
MATH 146 or FORTRAN-90 for Mathematics and Science	
CSIS 220 or Programming for Computer Sciences	
CSIS 235 C for Programmers	3
TOTAL UNITS	19 - 20

Recommended Electives: PHYS 230, 231, 232; CHEM 110, 115; MATH 245

COURSE OFFERINGS

Courses numbered under 50 are non-degree courses. Courses numbered under 100 are not intended for transfer credit.

MATH 10 Basic Arithmetic (3)
3 hours lecture
 Basic arithmetic computational skills, with an emphasis on the whole numbers, fractions, decimals, and an introduction to the concepts of area and perimeter. Designed for students who are lacking fundamental arithmetic skills.

MATH 12 Supplemental Instruction for Basic Arithmetic (1)
1 hour lecture
Note: Credit/No Credit grading only; may be taken 2 times
 Supplemental instruction for students enrolled in MATH 10 – Basic

Arithmetic. Designed for students who need additional review of basic arithmetic topics.

MATH 15 Prealgebra (3)
3 hours lecture

The basic arithmetic operations, integers, fractions, decimals, percents, ratio and proportion, basic geometric concepts, problem-solving techniques, and an introduction to algebraic thinking.

MATH 17 Supplemental Instruction for Prealgebra (1)
1 hour lecture

Note: Credit/No Credit grading only; may be taken 2 times
 Supplemental instruction for students enrolled in MATH 15 - Prealgebra. Designed for students who need additional review of prealgebra topics.

MATH 42 Supplemental Instruction for Beginning Algebra (1)
1 hour lecture

Note: Credit/No Credit grading only; may be taken 2 times
 Supplemental instruction for students enrolled in MATH 50 - Beginning Algebra. Designed for students who need additional review of beginning algebra topics.

MATH 47 Mathematics Topics (.5-4)

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

Note: May be taken 4 times
 Topics in Mathematics. See class schedule for specific topic covered. Course title will designate subject covered.

MATH 50 Beginning Algebra (4)
4 hours lecture

Prerequisite: A minimum grade of "C" in MATH 15 or eligibility determined through the math placement process

Elementary algebra which emphasizes mathematical reasoning, problem solving, and real-world applications using numerical, algebraic, and graphic models. Topics include problem-solving techniques, algebraic expressions, polynomials, linear equations, linear inequalities, linear and nonlinear graphs, systems of linear equations in two variables, integer exponents, proportions, and radicals.

MATH 50A Beginning Algebra Part I (2)
2 hours lecture

Prerequisite: A minimum grade of "C" in MATH 15 or eligibility determined through the math placement process

Note: Not open to students with credit in MATH 50
 First part of Math 50 with emphasis on mathematical reasoning, problem solving, and real-world applications using numerical, algebraic, and graphical models. Topics include problem-solving techniques, algebraic expressions, polynomials, linear equations, linear inequalities, linear and nonlinear graphs, and natural number exponents.

MATH 50B Beginning Algebra Part II (2)
2 hours lecture

Prerequisite: A minimum grade of "C" in MATH 50A
Note: Not open to students with credit in MATH 50

Second part of Math 50 with continued emphasis on mathematical reasoning, problem solving, and real-world applications, using numerical, algebraic, and graphical models. Topics include problem-solving techniques, algebraic expressions, polynomials, linear equations, linear inequalities, linear and nonlinear graphs, systems of linear equations in two variables, integer exponents, proportions, and radicals.

MATH 55 Geometry (4)
4 hours lecture

Prerequisite: A minimum grade of "C" in either MATH 50 or 50B or eligibility determined through the math placement process.

Fundamentals of plane geometry and selected topics from solid geometry developed by both inductive and deductive processes. Especially recommended for prospective teachers and/or students who will be taking Trigonometry.

- MATH 56 Beginning/Intermediate Algebra (6)**
6 hours lecture-2 hours laboratory
Prerequisite: Eligibility determined through the math placement process
Note: Not open to students with credit in MATH 60
 A review of elementary algebra and in-depth coverage of intermediate algebra intended for the student who has previous experience with algebra. Meets requirement for the A.A. degree. Meets prerequisite requirement for mathematics courses number 100-120, and 135.
- MATH 60 Intermediate Algebra (4)**
4 hours lecture
Prerequisite: A minimum grade of "C" in either MATH 50 or MATH 50B or eligibility determined through the math placement process
 Graphic, numeric, analytic and applied perspectives on topics including linear, quadratic, exponential and logarithmic functions, exponents and radicals, linear and nonlinear systems of equations and inequalities.
- MATH 97 Mathematics Topics (.5-4)**
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule.
Prerequisite: A minimum grade of "C" in either MATH 50 or MATH 50B, or eligibility determined through the Math Placement process.
Note: May be taken 4 times
 Topics in Mathematics. See Class Schedule for specific topic offered. Course title will designate subject covered.
- MATH 100 Exploring Mathematics (3)**
3 hours lecture
Prerequisite: A minimum grade of "C" in MATH 56 or MATH 60 or eligibility determined through the math placement process
Note: May not be used to clear high school deficiency for students transferring to UC systems Fall 1994 or later
Transfer acceptability: CSU; UC – MATH 100, 105 and 106 combined: maximum credit, one course
 Selected topics from logic, modern algebra, number theory, and geometry. Designed to give the student an introduction to the structure of mathematics and its applications. Recommended for liberal arts students.
- MATH 105 Concepts of Elementary Mathematics I (3)**
3 hours lecture
Prerequisite: A minimum grade of "C" in MATH 56 or MATH 60 or eligibility determined through the math placement process
Transfer acceptability: CSU; UC – MATH 100, 105 and 106 combined: maximum credit, one course; CAN MATH 4
 Selected topics from the real number system including properties and operations with integers and rational numbers as fractions and decimals. Additional topics include problem solving, numeration systems, number theory, and topics in logic and set theory. Recommended for prospective teachers.
- MATH 106 Concepts of Elementary Mathematics II (3)**
3 hours lecture
Prerequisite: A minimum grade of "C" in MATH 105
Transfer acceptability: CSU; UC – MATH 100, 105 and 106 combined: maximum credit, one course
 An extension of Mathematics 105, including selected topics from two- and three-dimensional geometry, motion geometry, and measurement. Recommended for prospective elementary and junior high school teachers, parents, and liberal arts students.
- MATH 110 College Algebra (4)**
4 hours lecture
Prerequisite: A minimum grade of "C" in MATH 56 or MATH 60 or eligibility determined through the math placement process
Transfer acceptability: CSU; UC – MATH 110 and 135 combined: maximum credit, 4 units; CAN MATH 10
 Study of the behavior and characteristics of functions from graphic, numeric, analytic and applied perspectives, including general polynomial functions, rational functions, exponential and logarithmic functions, and sequences. Systems of equations in several variables with an emphasis in matrix solutions.
- MATH 115 Trigonometry (3)**
3 hours lecture
Prerequisite: A minimum grade of "C" in MATH 56 or MATH 60 or eligibility determined through the math placement process
Transfer acceptability: CSU; CAN MATH 8
 The trigonometric functions and their applications including emphasis on the analytical aspects, identities, and trigonometric equations.
- MATH 120 Elementary Statistics (3)**
3 hours lecture
Prerequisite: A minimum grade of "C" in MATH 56 or MATH 60 or eligibility determined through the math placement process
Transfer acceptability: CSU; UC – MATH 120, BIOL 215, and PSYC/SOC 205, combined: maximum credit, one course; CAN STAT 2
 Selected topics include tabular and graphical representation of data, counting principles, permutations, combinations, discrete and continuous probability distributions, sampling distributions, the Central Limit Theorem, an introduction to inferential statistics, and simple linear regression analysis. Applications from the fields of business, economics, life sciences, social sciences, and the physical sciences.
- MATH 130 Calculus for the Social Sciences (4)**
4 hours lecture
Prerequisite: A minimum grade of "C" in MATH 110 or eligibility determined through the math placement process
Note: Not open to students with credit in MATH 140
Transfer acceptability: CSU; UC – MATH 130 and 140 combined: maximum credit, one course; CAN MATH 30
 Functions and their graphs including exponential and logarithmic functions, single variable calculus, limits, differentiation, integration and their applications, multivariable calculus, with application to business, social sciences and behavioral science.
- MATH 135 Precalculus Mathematics (5)**
5 hours lecture
Prerequisite: A minimum grade of "C" in MATH 115 or eligibility determined through the math placement process
Transfer acceptability: CSU; UC – MATH 110 and 135 combined: maximum credit, 4 units; CAN MATH 16
 Designed for students who intend to take calculus. Emphasizes study of the behavior and characteristics of functions from graphic, numerical, analytic, and applied perspectives. Includes trigonometric functions, general polynomial functions, rational functions, exponential functions, logarithmic functions, absolute value functions, functions with rational exponents, and sequences. Selected topics from analytic geometry and linear systems are also presented.
- MATH 140 Calculus With Analytic Geometry, First Course (5)**
5 hours lecture
Prerequisite: A minimum grade of "C" in MATH 135, or MATH 110 and MATH 115, or eligibility determined through the math placement process
Transfer acceptability: CSU; UC – MATH 130 and 140 combined: maximum credit, one course; CAN MATH 18; MATH 140+141=CAN MATH SEQ B; MATH 140+141+205=CAN MATH SEQ C
 An introduction to analytic geometry, differentiation and integration of algebraic and transcendental functions of a single variable, and applications of differentiation.
- MATH 141 Calculus With Analytic Geometry, Second Course (4)**
4 hours lecture
Prerequisite: A minimum grade of "C" in MATH 140
Transfer acceptability: CSU; UC; CAN MATH 20; MATH 140+141=CAN MATH SEQ B; MATH 140+141+205=CAN MATH SEQ C
 Continuation of MATH 140. Topics include definite integrals and their applications; methods of integration (including the use of modern computational technology as appropriate); indeterminate forms; improper integrals; sequences; infinite series; Taylor series; conic sections; polar coordinate; and parametric equations from analytic, graphic, and numeric perspectives.
- MATH 146 Fortran-90 for Mathematics and Science (3)**
2 hours lecture-3 hours laboratory
Prerequisite: A minimum grade of "C" in MATH 135 or MATH 110 and MATH 115, or a passing grade on the appropriate placement test
Note: Cross listed as CSIS 146.

Transfer acceptability: CSU; UC

Programming in FORTRAN-90 to solve typical problems in mathematics, computer science, physical sciences, and engineering. Programming is done on a PC.

MATH 197 Mathematics Topics (5-4)

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

Prerequisite: A minimum grade of "C" in either MATH 56 or MATH 60, or eligibility determined through the math placement process.

Note: May be taken 4 times

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

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

MATH 200 Introduction to Linear Algebra (3)

3 hours lecture

Prerequisite: A minimum grade of "C" in MATH 141

Transfer acceptability: CSU; UC; CAN MATH 26

Matrices, determinants, vectors, linear dependence and independence, basis and change of basis, linear transformations, and eigen values.

MATH 205 Calculus With Analytic Geometry, Third Course (4)

4 hours lecture

Prerequisite: A minimum grade of "C" in MATH 141

Transfer acceptability: CSU; UC; CAN MATH 22; MATH 140+141+205=CAN MATH SEQ C

Vectors in the plane and space, three-dimensional coordinate system and graphing, vector-valued functions and differential geometry, partial differentiation, multiple integration, and vector calculus.

MATH 206 Calculus With Differential Equations (4)

4 hours lecture

Prerequisite: A minimum grade of "C" in MATH 205

Transfer acceptability: CSU; UC; CAN MATH 24

A first course in ordinary differential equations from analytic, geometric, numeric and applied perspectives (including the use of modern computational technology as appropriate). Topics include exact, separable, and linear equations; initial-value and boundary-value problems; systems of first-order equations; reduction of order; undetermined coefficients; variation of parameters; series solutions; and Laplace transforms.

MATH 245 Discrete Mathematics (3)

3 hours lecture

Prerequisite: A minimum grade of 'C' in MATH 130 or MATH 140, or a passing score on the appropriate placement test

Transfer acceptability: CSU; UC

The study of propositional and predicate logic, number theory and methods of proof, elements of set theory, relations and functions, the Pigeonhole Principle, sequences, infinite sets, basic counting techniques, permutations, combinations, and applications directed to the field of computer science.

Medical Assisting (MA)

Contact the Life Sciences Department for further information, (760) 744-1150, ext. 2275

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

PROGRAMS OF STUDY

Administrative Medical Assisting

Provides specific skills for entry-level positions as an administrative assistant in a physician's office or a medical clinic.

A.A. Degree Major or Certificate of Achievement

Program Requirements	Units
MA 50 Introduction to Medical Assisting	3
MA 55 Medical Terminology and Anatomy	3
MA 56 Medical Terminology and Anatomy	3
MA 60 Medical Insurance	3
BUS 105 Bookkeeping Fundamentals	3
BUS 125 Business English	3
OIS 101* Beginning Keyboarding	0,3
OIS 102* Intermediate Keyboarding	0,3
OIS 115 Filing and Records Management	1
OIS 205 Office Procedures	3
OIS 231.1 Medical Machine Transcription, Module I	1
OIS 231.2 Medical Machine Transcription, Module II	1
CE 100** Cooperative Education	2
TOTAL UNITS	26 - 32

* May be exempt by typing proficiency exam.

** Cooperative Education must be related to this major.

Clinical Medical Assisting

Provides specific skills for entry-level positions as a clinical assistant in a physician's office or a medical clinic.

A.A. Degree Major or Certificate of Achievement

Program Requirements	Units
MA 50 Introduction to Medical Assisting	3
MA 55 Medical Terminology and Anatomy	3
MA 56 Medical Terminology and Anatomy	3
MA 65 Clinical Assisting: Patient Care	5
MA 66 Clinical Assisting: Diagnostic Procedures	5
MA 70 Supervised Clinical Experience	3.5
ZOO 145 Introduction to Anatomy and Physiology	3
BUS 125 Business English	3
OIS 101* Beginning Keyboarding	0,3
TOTAL UNITS	28.5 - 31.5

* May be exempt by typing proficiency exam.

COURSE OFFERINGS

Courses numbered under 100 are not intended for transfer credit.

MA 50 Introduction to Medical Assisting (3)

3 hours lecture

History and development of the medical profession and its specialties. Roles and functions of the medical assistant and medical assisting organizations. Principles of interpersonal relationships, professional attitudes, medical ethics, and law. Reception and scheduling of patients.

MA 55 Medical Terminology and Anatomy (3)

3 hours lecture

Basic medical terms with emphasis on word analysis and construction. Overview of anatomy and the pathological, diagnostic, therapeutic, and surgical terms related to the body as a whole and the integumentary, digestive, urinary, musculoskeletal, and male reproductive systems.

MA 56 Medical Terminology and Anatomy (3)

3 hours lecture

Basic medical terms with emphasis on word analysis and construction. Overview of anatomy and the pathological, diagnostic, therapeutic and surgical terms related to the cardiovascular, respiratory, hematologic, endocrine, and female reproductive systems, and to oncology.

MA 60 Medical Insurance (3)

3 hours lecture

Recommended preparation: MA 55 or 56

Provides entry-level skills training in medical insurance billing. Surveys private and government health and accident insurance plans and methods for preparing claim forms. Emphasis on compiling and extracting data for completion of forms.

MA 61 Medical Insurance Coding (3)

2 hours lecture-3 hours laboratory

Prerequisite: Completion of, or concurrent enrollment in, MA 55 or 56

Diagnosis and medical procedure coding utilizing International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and Current Procedural Terminology 4 (CPT-4) coding guidelines. Includes abstracting information from the medical record, utilizing computer coding techniques, and knowledge of strategies to promote accurate reimbursement of medical claims.

MA 65 Clinical Assisting: Patient Care (5)

3 hours lecture-6 hours laboratory

Preparation of patients and assisting physician with examinations, minor surgical procedures, and treatments. Recording medical histories and observations. Principles and methods of aseptic procedures, handling and care of instruments and supplies. Pharmacology with emphasis on preparation and administration of medication.

MA 66 Clinical Assisting: Diagnostic Procedures (5)

3 hours lecture-6 hours laboratory

Laboratory orientation and preparation of patients for diagnostic procedures. Specimen collection and handling. Basic urine and hematological tests. Emergency procedures.

MA 70 Supervised Clinical Experience (3.5)

10½ hours laboratory

Prerequisite: A minimum grade of "C" in MA 50, 55, 56, 65 and 66. Current CPR Basic "C" Certificate. A Physical Examination and Physician's Report (free of infectious disease and physically and emotionally able to perform the duties of the MA 70 class). Proof of the following: Tuberculin Test (PPD), Tetanus/Diphtheria immunization, Rubella/Measles Vaccine, and Hepatitis B Vaccine (first in the series of 3 must be received a minimum of 10 days prior to day 1 of MA 70 class). Must be 18 years of age prior to day 1 of clinical experience

Supervised clinical (back office) experience in the physician's office, clinic, laboratory, or other appropriate health care facility. Students will assist the physician and medical staff to provide patient care, diagnostic procedures, and perform other duties delegated to the entry-level medical assistant with consideration of the ethical and legal implications. Clinical skills not prohibited by California regulations or the Clinical Laboratory Improvement Act of 1988 will be performed.

MA 97 Medical Assisting Topics (.5-4)

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

Note: May be taken 4 times

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

Microbiology (MICR)

Contact the Life Sciences Department for further information, (760) 744-1150, ext. 2275

COURSE OFFERINGS**MICR 110 Microbiology and Foods (3)**

2 hours lecture - 2 hours lecture/laboratory

Note: Cross listed as FCS 110

Introduction to the principles of microbiology with an emphasis on foodborne pathogens. Students will explore biological factors and controls relating to reproduction of microorganisms and the effects on public health. This course does not meet microbiology requirement for pre-health students.

MICR 197 Microbiology Topics (.5-4)

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

Note: May be taken 4 times**Transfer acceptability:** CSU

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

MICR 200 Fundamentals of Microbiology (5)

3 hours lecture-6 hours laboratory

Prerequisite: BIOL 102; or BIOL 200 and CHEM 100; or BIOL 100 and CHEM 100; or BIOL 105 and CHEM 100; or BIOL 101/101L and CHEM 100

Transfer acceptability: CSU; UC; CAN BIOL 14

Fundamentals of microbiology including medical aspects of microbiology.

Multicultural Studies (MCS)

See also Africana Studies, American Indian Studies, Chicano Studies, Judaic Studies

Contact the Multicultural Studies Department for further information, (760) 744-1150, ext. 2206

COURSE OFFERINGS**MCS 100 Introduction to Multicultural Studies (3)**

3 hours lecture

Transfer acceptability: CSU; UC

Social, cultural and political awareness of diverse national and international systems of thought and multicultural groups as revealed through their social institutions and cultural traditions emanating from family, community and nation - state.

MCS 110 Diverse Cultures in America Today (3)

3 hours lecture

Note: Cross listed as AMS 110**Transfer acceptability:** CSU; UC

An investigation of prevalent cultural trends in four groups of diverse ethnic and cultural backgrounds in America -- African Americans, Latinos, Chinese, and people of Jewish heritage -- since World War II. Emphasis will be placed on the literary, musical, and artistic expressions of their heritage, social conditions, struggle to become part of the main culture, and response to prejudice, racial, and religious discrimination. Selections dealing with social conditions will include such diverse issues as family life, intergenerational conflicts, and religious traditions.

MCS 165 Introduction to the Asian Americans (3)

3 hours lecture

Transfer acceptability: CSU; UC

Introduction to the experience of Asian peoples in the United States. Examines the history of immigration, economics, cultural assimilation, and Asian-American communities in U.S. Government policies toward Asian immigrants and U.S. citizens are examined in terms of American cultural pluralism.

MCS 197 Multicultural Studies Topics (.5-4)

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

Note: May be taken 4 times**Transfer acceptability:** CSU; UC – Credit determined by UC upon review of course syllabus.

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

MCS 200 Race, Class, and Ethnic Groups in America (3)

3 hours lecture

Note: Cross listed as AMS/SOC 200**Transfer acceptability:** CSU; UC

This course is designed to introduce the topics of intergroup relations in general to superordinate-subordinate relations in particular, as exemplified in various racial, ethnic, social class, and cultural groups. Emphasis is primarily on contemporary relations in the United States, although a comparative perspective is also offered.

Music (MUS)

Contact the Performing Arts Department for further information, (760) 744-1150, ext. 2316. For transfer information, consult a Palomar College counselor.

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

PROGRAMS OF STUDY

Digital Animation, Compositing, and Music

This program is directed at the digital design and implementation of 3D animations, graphic compositing and music.

In order to earn a certificate, students must achieve a minimum grade of "C" in 5 of the 6 certificate program courses.

Certificate of Proficiency

Program Requirements	Units
(Choose 5 of the courses listed, totaling 15 units)	
ART 243 Digital 3D Design and Modeling	3
ART 247 Computer Animation and Multimedia II	3
GC 204 Motion Graphics for Multimedia - A	3
GC 213 Motion Graphics Production and Compositing	3
MUS 180 Computer Music I	3
MUS 184 Electronic Ensemble	3
TOTAL UNITS	15

This program is also offered in Graphic Communications and Art.

Kodaly Music Education

Provides training in the Kodaly approach for teaching children with an emphasis on the singing voice, music literacy, and the pedagogical uses of folk songs.

Certificate of Proficiency

Program Requirements	Units
MUS 240 Solfege I	1
MUS 241 Solfege II	1
MUS 242 Solfege III	2
MUS 243 Folk Song Research	3
MUS 245 Kodaly I	3
MUS 246 Kodaly II	3
MUS 247 Kodaly III	3
MUS 248 Kodaly Choral Analysis	1
TOTAL UNITS	17

Recommended Electives: MUS 115, 130.

Music

Students pursuing a music major will take the following required courses. Transfer students should consult the four-year college or university catalog for specific requirements or see a Palomar College counselor.

NOTE: MUS 103 is recommended for students who need preparation for Music Theory I.

A.A. Degree Major

Program Requirements	Units
MUS 100 or Music Appreciation	
MUS 166 and Orientation in Music History and Literature I	
MUS 167 Orientation in Music History and Literature II	3,6
MUS 105 Music Theory I	3
MUS 106 Music Theory II	3
MUS 210 Advanced Harmony	3
MUS 211 Counterpoint	3
MUS 110 Music Skills I	1
MUS 111 Music Skills II	1
MUS 215 Music Skills III	1

MUS 216 Music Skills IV	1
Group One (Select 12 units)	
MUS 220 Applied Music	3
MUS 222 Performance Studies	4
MUS 134-158,177,178,184,198 Performance Ensembles	4
MUS 180 Computer Music I	3
MUS 181 Computer Music II	3
Group Two (Select 4-5 units)	
MUS 115 Basic Keyboard I	2
MUS 116 Accelerated Basic Keyboard	3
MUS 117 Basic Keyboard II	2
MUS 119 Piano Skills I	2
MUS 225 Piano Skills II	2
Group Three (Select 3 units)	
MUS 101 Survey of 20 th Century Music	3
MUS 171 World Music	3
TOTAL UNITS	38 - 42

Recommended Elective: DNCE/MUS/TA 173

COURSE OFFERINGS

An activity may be taken four times for credit. Activity is defined to include all ability levels. (e.g., A student may take a total of only four Keyboard courses for credit.) Keyboard, Piano skills, Vocal, Brass Instruments, Woodwind Instruments, Guitar, Choir, Concert Band, Jazz, Chamber Ensemble, String Orchestra, and Symphonic Youth Orchestra are defined as activity courses.

Courses numbered under 50 are non-degree courses.

Courses numbered under 100 are not intended for transfer credit.

MUS 96A Special Projects: Performance (1)

3 hours laboratory

Prerequisite: Enrollment subject to audition

Note: May be taken 4 times

Participation in group or solo performances beyond those normally expected in individual study classes.

MUS 96B Special Projects: Research (1,2,3)

1, 2, or 3 hours lecture

Prerequisite: MUS 105

Note: May be taken 2 times

Special study in the areas of music theory, composition, history, or literature.

MUS 97D Music Topics (5-4)

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

Note: May be taken 4 times

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

MUS 100 Music Appreciation (3)

3 hours lecture

Transfer acceptability: CSU; UC

A practical approach to music listening with a brief survey of music of all periods, styles, and media.

MUS 101 Survey of 20th Century Music (3)

3 hours lecture

Transfer acceptability: CSU; UC

Music from the mid-19th Century to the recent avant-garde, with emphasis on understanding the issues and philosophies of modern musical thought.

MUS 102 Introduction to Jazz (3)

3 hours lecture

Transfer acceptability: CSU; UC

Surveys the history and characteristics of the music developed in the United States including blues, ragtime, swing, bebop, jazz, rock, and

other trends in jazz. Designed for the student to become an active listener in the form, and to develop aesthetic criteria for examining and evaluating jazz performances.

MUS 103 Fundamentals of Music (3)

3 hours lecture

Transfer acceptability: CSU; UC

Training in the fundamentals of music, primarily for the non-music major. The course of study includes a thorough acquaintance with scales, intervals, keys and triads, as well as development in ability to sight read simple melodic material and take simple melodic dictation.

MUS 105 Music Theory I (3)

3 hours lecture-2 hours laboratory

Corequisite: MUS 110

Transfer acceptability: CSU; UC

Analysis and written work in melodic, rhythmic, and harmonic structure of music. Includes review of music rudiments and study of structure and harmonic usage of triads. Required concert attendance.

MUS 106 Music Theory II (3)

3 hours lecture-2 hours laboratory

Prerequisite: MUS 105

Corequisite: MUS 111

Transfer acceptability: CSU; UC

Continuation of MUS 105, extending analysis and written work into all aspects of diatonic harmony, secondary dominants, and elementary modulation. Music literacy is developed through listening and score-reading assignments. Required concert attendance.

MUS 110 Music Skills I (1)

1 hour lecture-3 hours laboratory

Prerequisite: Ability to read and write basic music notation

Transfer acceptability: CSU; UC

Melodic and rhythmic sight-reading and dictation. Required concert attendance. Required for students with a major in music, but open to all students.

MUS 111 Music Skills II (1)

1 hour lecture-3 hours laboratory

Prerequisite: MUS 110

Transfer acceptability: CSU; UC

Continuation of MUS 110 and harmonic dictation. Required concert attendance. Required for students with a major in music, but open to all students.

MUS 115 Basic Keyboard I (2)

4 hours lecture/laboratory

Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 115, MUS 116, MUS 117

Transfer acceptability: CSU; UC

An introduction to the keyboard through the study of notation, basic hand positions, and chord formations.

MUS 116 Accelerated Basic Keyboard (3)

6 hours lecture/laboratory

Prerequisite: Ability to read music in treble and bass clefs

Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 115, MUS 116, MUS 117

Transfer acceptability: CSU; UC

Accelerated class for the beginning keyboard student. Required of all students with a major in music and for music credential candidates.

MUS 117 Basic Keyboard II (2)

4 hours lecture/laboratory

Prerequisite: MUS 115 or the passing of equivalency test

Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 115, MUS 116, MUS 117

Transfer acceptability: CSU; UC

Keyboard experience through the further study of notation, scales, and chord progressions. Sight reading and improvisation.

MUS 119 Piano Skills I (2)

4 hours lecture/laboratory

Prerequisite: MUS 117 or the passing of equivalency test

Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 119, MUS 225

Transfer acceptability: CSU; UC

Piano techniques including scales and arpeggios, sight reading, and ensemble playing. Required of all music majors and for credential

candidates.

MUS 123 Arts Across the Curriculum (3)

3 hours lecture

Note: Cross listed as: ART/DNCE/TA 123

Transfer acceptability: CSU

This course is an introduction to the artistic creative process through a comparative study of dance, music, theatre, and visual arts, within a social and cultural context. The principles of artistic perception, creative expression, cultural and historical context, and aesthetic valuing will be discussed.

MUS 125 Musicianship for Elementary Teachers (3)

3 hours lecture

Transfer acceptability: CSU

Skills and competencies required in the elementary school classroom including basic music theory, sight-singing, classroom instruments, voice, and a useful repertoire of songs selected from State-adopted music textbooks. It is recommended that students lacking a basic knowledge of the piano enroll in MUS 115 concurrently.

MUS 126 Palomar Chorale Ensemble (1)

3 hours laboratory

Prerequisite: Enrollment subject to audition

Note: May be taken 4 times

Transfer acceptability: CSU; UC

Rehearsal and performance of standard choral literature. Attendance at all scheduled performances is required.

MUS 130 Fundamental Vocal Skills (1)

2 hours lecture/laboratory

Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 130, MUS 131, MUS 132

Transfer acceptability: CSU; UC

Introduction to the basics of singing. Includes proper breath control and posture, practice techniques, diction, and performance of simple song literature.

MUS 131 Vocal Literature and Performance (1)

2 hours lecture/laboratory

Prerequisite: MUS 130

Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 130, MUS 131, MUS 132

Transfer acceptability: CSU; UC

Establishment of a basic repertoire for the singer. Rehearsal and performance of folk songs; musical theatre; and Italian, German, French, and English art songs.

MUS 132 Popular Vocal Technique (1)

2 hours lecture/laboratory

Prerequisite: MUS 130

Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 130, MUS 131, MUS 132

Transfer acceptability: CSU; UC

Development of individual style in popular music. Scat singing, microphone technique, and expansion of repertoire.

MUS 134 Palomar Women's Chorus (1)

3 hours laboratory

Prerequisite: Enrollment subject to audition

Note: May be taken 4 times

Transfer acceptability: CSU; UC

Rehearsal and performance of standard choral literature for women's voices. Trips to college choir festivals and performances in the community and at Palomar College.

MUS 137 Cuban and Brazilian Drumming (1, 1.5, 2)

2, 3 or 4 hours lecture/laboratory

12/8/04

Note: Cross listed as DNCE 137; may be taken 4 times

Transfer acceptability: CSU; UC

Drum, percussion and song classes in the traditions of Escola de Samba from Rio de Janeiro, Brazil and Afro-Cuban traditions, Rumba, Congo, makuta from Cuba. Develop ability to work as part of a drum ensemble.

MUS 138 Cuban and Brazilian Drumming II (1, 1.5, 2)

2, 3, or 4 hours lecture/laboratory

Prerequisite: DNCE/MUS 137

Note: Cross listed as DNCE 138

Transfer acceptability: CSU; UC

Intermediate level drum, percussion and song classes in the traditions of Escola de Samba from Rio de Janeiro, Brazil and Afro-Cuban traditions, Rumba, Congo, makuta from Cuba. Develop ability to work as part of a drum ensemble.

*MUS/DNCE 138 pending Chancellor's Office approval at time of catalog publication

MUS 143 Palomar Chorale Chamber Ensemble (.5,1)

1½ or 3 hours laboratory

Prerequisite: Enrollment subject to audition with emphasis on vocal ability and music reading

Note: May be taken 4 times

Transfer acceptability: CSU

Rehearsal and performance of choral and chamber music for voices. Attendance at all scheduled performances is required.

MUS 147 Concert Choir (1)

3 hours laboratory

Prerequisite: Previous singing experience

Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 147, MUS 148, MUS 149

Transfer acceptability: CSU; UC

Rehearsal and performance of standard choral literature. Trips to college choir festivals and performances in the community and at Palomar College.

MUS 148 Palomar Chorale (1)

3 hours laboratory

Prerequisite: Enrollment subject to audition

Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 147, MUS 148, MUS 149

Transfer acceptability: CSU; UC

Rehearsal and performance of standard oratorio and choral literature. Attendance at all scheduled performances is required.

MUS 149 Spectrum Pop/Jazz Singers (1)

3 hours laboratory

Prerequisite: Enrollment subject to audition

Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 147, MUS 148, MUS 149

Transfer acceptability: CSU; UC

A group of singers specializing in the performance of jazz, gospel, rock, musical theatre, and popular music. Improvement of musicianship and concept of style. The ensemble gives campus and community concerts. Attendance at all scheduled performances is required.

MUS 150 Musical Theatre – Vocal (.5,1)

1½ or 3 hours laboratory

Prerequisite: Enrollment subject to audition

Note: May be taken 4 times

Transfer acceptability: CSU; UC

Rehearsal and performance of vocal musical theatre literature. Attendance at all scheduled rehearsals and productions is required.

MUS 151 Concert Band (1)

3 hours laboratory

Prerequisite: Ability to perform on one or more band instruments

Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 151, MUS 161

Transfer acceptability: CSU; UC

Study, rehearsal, and performance of standard concert band music.

MUS 152 Jazz Ensemble (1)

3 hours laboratory

Prerequisite: Ability to perform on one or more instruments and read music. Enrollment subject to audition

Note: May be taken 4 times

Transfer acceptability: CSU; UC

Rehearsal and performance of standard stage band literature. Opportunities for students to arrange and compose for the band and rehearse the ensemble. Attendance at all scheduled performances is required.

MUS 155 Chamber Ensemble – Brass (1)

3 hours laboratory

Prerequisite: Ability to perform on one or more instruments and to sight-read music

Note: May be taken 4 times

Transfer acceptability: CSU; UC

Rehearsal and performance of chamber music literature for brass.

MUS 156 Chamber Ensemble – Strings (.5,1)

1½ or 3 hours laboratory

Prerequisite: Ability to perform on one or more instruments and to sight-read music

Note: May be taken 4 times

Transfer acceptability: CSU; UC

Rehearsal and performance of chamber music literature for strings.

MUS 157 Guitar Ensembles (1)

2 hours lecture/laboratory

Prerequisite: Enrollment subject to audition with emphasis on music reading

Note: May be taken 4 times

Transfer acceptability: CSU; UC

Performance practice considerations for ensemble music from various periods of music history, with an emphasis on music reading and classical technique.

MUS 158 Chamber Singers (.5,1)

1½ or 3 hours laboratory

Prerequisite: Enrollment subject to audition with emphasis on vocal ability and music reading

Note: May be taken 4 times

Transfer acceptability: CSU; UC

Rehearsal and performance of chamber music for voices.

MUS 159 Musical Theatre Orchestra (.5,1)

1½ or 3 hours laboratory

Prerequisite: Enrollment subject to audition; ability to play an instrument and read music at sight

Note: May be taken 4 times

Transfer acceptability: CSU; UC

Rehearsal and performance of musical theatre literature. Attendance at all scheduled productions is required.

MUS 161 Summer Concert Band (.5)

1½ hours laboratory

Prerequisite: Ability to perform on one or more instruments

Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 151, MUS 161

Transfer acceptability: CSU; UC

Study, rehearsal, and performance of standard concert band music.

MUS 162 Summer Stage Band (.5)

1½ hours laboratory

Prerequisite: Ability to perform on an instrument and read music

Note: May be taken 4 times

Transfer acceptability: CSU; UC

Extensive reading and rehearsing of jazz and jazz-rock literature.

MUS 163 Summer Pops Orchestra (.5)

1½ hours laboratory

Prerequisite: Enrollment subject to audition; ability to play an instrument and read music

Note: May be taken 4 times

Transfer acceptability: CSU; UC

Study, rehearsal, and performance of popular orchestral literature including musical theatre and light classics literature. Attendance at scheduled outdoor concerts is required.

MUS 166 Orientation in Music History and Literature I (3)

3 hours lecture

Prerequisite: MUS 105

Transfer acceptability: CSU; UC

An introductory course in the literature and history of music from the Middle Ages to 1750.

MUS 167 Orientation in Music History and Literature II (3)

3 hours lecture

Prerequisite: MUS 105

Transfer acceptability: CSU; UC

An introductory course in the literature and history of music from 1750 to the present.

- MUS 170 Great Musicians Through Film** (3)
3 hours lecture
Transfer acceptability: CSU; UC
The study of the life and compositions of such composers as Bach, Mozart, Beethoven, Schumann, Bruckner, and Stravinsky through documentary and biographical films accompanied by lectures and discussions as well as biographical film sketch of Authur Rubenstein.
- MUS 171 World Music** (3)
3 hours lecture
Transfer acceptability: CSU; UC
A survey of world music including North American Indian, Mexico, India, Japan, Indonesia, Middle East, China, Africa, and South America, with emphasis on understanding the cultural background, instruments, musical characteristics and the impact of world music on the 20th century culture.
- MUS 172 Repertory Jazz Ensemble** (1)
3 hours laboratory
Prerequisite: Enrollment subject to audition
Note: May be taken 4 times
Transfer acceptability: CSU
Study and preparation of professional level materials for the large jazz ensemble.
- MUS 173 Musical Theatre Scenes** (1)
3 hours laboratory
Note: Cross listed as DNCE/TA 173
Transfer acceptability: CSU
Rehearsal and performance of solo and group scenes from Broadway musicals dating from the 1930's to the present.
- MUS 175 Beginning Guitar** (1)
2 hours lecture/laboratory
Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 175, MUS 176, MUS 177, 178
Transfer acceptability: CSU; UC
An introduction to the fingerboard through the study of notation, basic hand positions, and chord formations.
- MUS 176 Intermediate Guitar** (1)
2 hours lecture/laboratory
Prerequisite: MUS 175
Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 175, MUS 176, MUS 177, 178
Transfer acceptability: CSU; UC
A continuation of MUS 175 with a more in-depth study of the classical, flamenco, blues, and jazz styles. Theory, technique, and interpretation will be thoroughly explored.
- MUS 177 Studio Guitar** (1)
2 hours lecture/laboratory
Prerequisite: MUS 175 or knowledge of basic guitar chords
Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 175, MUS 176, MUS 177, 178
Transfer acceptability: CSU; UC
Guitar techniques in popular styles, including strumming and fingerpicking accompaniments to songs as well as the creation of solo arrangement.
- MUS 178 Classical Guitar** (1)
2 hours lecture/laboratory
Prerequisite: MUS 175 or ability to read music
Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 175, MUS 176, MUS 177, 178
Transfer acceptability: CSU; UC
Guitar techniques in the classical style, with emphasis on sight reading and ensemble playing as well as performance of guitar literature from the Renaissance through the early 20th Century.
- MUS 180 Computer Music I** (3)
6 hours lecture/laboratory
Prerequisite: MUS 103 or 115 or ART 243 or GC 204
Transfer acceptability: CSU
This course is designed to give students an understanding of basic computer music application including sound design, MIDI, and music notation software.
- MUS 181 Computer Music II** (3)
6 hours lecture/laboratory
Prerequisite: Completion of, or concurrent enrollment in, MUS 180
Transfer acceptability: CSU
An overview of digital audio techniques. Topic in sound synthesis, sound design, and sampling.
- MUS 182 Introduction to Arts Management** (3)
9 hours laboratory
Note: Cross listed as AMS/ART/DNCE/TA 182
Transfer acceptability: CSU
An introduction to the principles and practices of arts management through an interdisciplinary study of management topics in the visual and performing arts.
- MUS 183 Internship in Arts Management** (3)
9 hours laboratory
Prerequisite: AMS/ART/DNCE/TA 182
Note: Cross listed as AMS/ART/DNCE/TA 183
Transfer acceptability: CSU
Practical experience in arts management in the visual and performing arts.
- MUS 184 Electronic Ensemble** (3)
6 hours lecture/laboratory
Prerequisite: MUS 103
Note: May be taken 4 times
Transfer acceptability: CSU
This course includes instruction in music technology, composition, and performance. Students will compose and participate in performances of original works for electronic, computer, and acoustic instruments.
- MUS 197 Topics in Music** (.5-3)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule.
Note: May be taken 4 times for a maximum of 9 units
Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.
Workshops in various special topics in music.
- MUS 198 Palomar Symphony Orchestra** (.5,1)
1½ or 3 hours laboratory
Prerequisite: Enrollment subject to audition
Note: May be taken 4 times
Transfer acceptability: CSU; UC
Study, rehearsal, and performance of a wide variety of orchestral literature from the Baroque, Classical, Romantic, and 20th Century styles. Attendance at all scheduled performances is required.
- MUS 210 Advanced Harmony** (3)
3 hours lecture-2 hours laboratory
Prerequisite: MUS 106
Corequisite: MUS 215
Transfer acceptability: CSU; UC
Analysis and written work in altered chords, chromatic harmony, modulation, structural form (sonata-allegro), and 20th Century developments. Required concert attendance.
- MUS 211 Counterpoint** (3)
3 hours lecture-2 hours laboratory
Prerequisite: MUS 210
Corequisite: MUS 216
Transfer acceptability: CSU; UC
Analysis and written work in two-and three-voice counterpoint in the 18th Century style (invention and fugue). Required concert attendance.
- MUS 215 Music Skills III** (1)
1 hour lecture-3 hours laboratory
Prerequisite: MUS 111
Transfer acceptability: CSU; UC
Continuation of MUS 111 and four-part harmonic dictation. Introduction to chromatic dictation. Required for students with a major in music, but open to all students.
- MUS 216 Music Skills IV** (1)
1 hour lecture-3 hours laboratory
Prerequisite: MUS 215
Note: May be taken 3 times

Transfer acceptability: CSU; UC

Continuation of MUS 215 and contrapuntal dictation. Required for students with a major in music, but open to all students.

MUS 220 Applied Music (3)

6 hours lecture/laboratory

Corequisite: MUS 222 and at least one music ensemble (MUS 134-198)

Note: May be taken 4 times

Transfer acceptability: CSU; UC

Individual lessons with music instructor developing basic techniques in applied music. Student is required to practice on campus, be concurrently enrolled in a music ensemble, participate in Performance Studies class, and perform for music juries at the conclusion of the semester.

MUS 222 Performance Studies (1)

2 hours lecture/laboratory

Note: May be taken 4 times

Transfer acceptability: CSU; UC

A combination of private studio instruction in instrument or voice with an off-campus instructor, plus on-campus training in performance skills.

Required conditions:

1. Fourteen clock hours of instruction with a private instructor and adequate practice time are required.
2. At the end of the semester the student will be required to perform for the Music Faculty.
3. Student should have necessary skills and technique on chosen instrument to begin training in public performance.

- | | |
|----------------|------------------------|
| a. Piano | m. Baritone Horn |
| b. Harpsichord | n. Tuba |
| c. Organ | o. Percussion |
| d. Voice | p. Violin |
| e. Flute | q. Viola |
| f. Oboe | r. Cello |
| g. Clarinet | s. Contrabass |
| h. Saxophone | t. Harp |
| i. Bassoon | u. Classical Guitar |
| j. French Horn | v. Classical Accordion |
| k. Trumpet | w. Studio Guitar |
| l. Trombone | |

MUS 225 Piano Skills II (2)

4 hours lecture/laboratory

Prerequisite: MUS 119 or the passing of equivalency test

Note: May be taken 4 times; maximum of 4 completions in any combination of MUS 119, MUS 225

Transfer acceptability: CSU; UC

Continuation of piano techniques with emphasis on improvised accompaniments, sight-reading, ensemble playing, pedaling, and practice techniques.

MUS 227 Accompanying (1)

3 hours laboratory

Prerequisite: MUS 225 or the passing of equivalency test

Note: May be taken 4 times

Transfer acceptability: CSU

Techniques of, and practical experience in, piano accompaniment for ensembles, vocalists, and instrumentalists.

MUS 240 Solfege I (1)

1 hour lecture

Note: May be taken 2 times

Transfer acceptability: CSU

This beginning skills course will focus on sight-singing, ear training, keyboard and written skills to develop the ability to sing at sight by means of relative and absolute solmization, recognition of pitches and intervals with accurate intonation.

MUS 241 Solfege II (1)

1 hour lecture

Prerequisite: MUS 240

Note: May be taken 2 times

Transfer acceptability: CSU

Review sight-reading and writing in pentatonic scales and progress to major and minor scales, continuing to focus on sight-singing, ear training, keyboard and written scales using relative and absolute solmization.

MUS 242 Solfege III (2)

2 hours lecture

Prerequisite: MUS 240 and 241

Note: May be taken 2 times

Transfer acceptability: CSU

Review sight-reading and writing in pentatonic, major and minor scales, and progress to chromaticism, modulation and Greek modes; continue sight-singing, ear training, keyboard and written scales using relative and absolute solmization, harmonic analysis, composition, rounds, part-singing, and dictation.

MUS 243 Folk Song Research (3)

3 hours lecture

Prerequisite: MUS 240, 241, 245 and 246

Transfer acceptability: CSU

Introduction to categorization and analysis of folk songs in the United States. Survey of five major folk song categories found in the United States including: Native American, Hispanic, Asian, African-American, and Anglo music. Introduction to techniques of folk song research and analysis with concentration on research skills leading to the completion of a paper on a topic within folk song study.

MUS 245 Kodaly I (3)

3 hours lecture

Note: May be taken 2 times

Transfer acceptability: CSU

An in-depth study of the Kodaly approach to music education, with particular emphasis on philosophy and methodology. Special attention is given to the sequencing of concepts and lesson planning for the implementation of the kindergarten and first grade levels.

MUS 246 Kodaly II (3)

3 hours lecture

Prerequisite: MUS 245

Note: May be taken 2 times

Transfer acceptability: CSU

An in-depth study of the Kodaly approach to music education, with particular emphasis on philosophy and methodology. Special attention is given to the sequencing of concepts and lesson planning for the implementation of the second and third grade concepts.

MUS 247 Kodaly III (3)

3 hours lecture

Prerequisite: MUS 245 and 246

Note: May be taken 2 times

Transfer acceptability: CSU

An in-depth study of the Kodaly approach to music education for grades four through university and adult levels, with particular emphasis on philosophy and methodology. Special attention is given to the sequencing of concepts and lesson planning for the implementation of advanced musical concepts.

MUS 248 Kodaly Choral Analysis (1)

1 hour lecture

Prerequisite: Basic singing and sight reading experience

Note: May be taken 2 times

Transfer acceptability: CSU

Sight-singing and part-singing techniques will be stressed. Study of choral rehearsal planning, conducting techniques, and analysis of choral literature for elementary, junior high, and senior high choirs. Vocal training for participants and vocal pedagogy for children emphasized.

MUS 250 Choral Conducting (.5)

1 hour lecture/laboratory

Prerequisite: MUS 105 or MUS 245 or experience in conducting choirs

Transfer acceptability: CSU

Practical conducting methods for choral musicians. Discussion and study of issues concerning musical rehearsal and performance with treble, SAB and SATB choral ensembles.

MUS 251 Master Class in Keyboard Literature, Analysis and Performance (.5,1,1.5,2,3)

1, 2, 3, 4, or 6 hours lecture/laboratory

Prerequisite: MUS 225 or the passing of equivalency test

Transfer acceptability: CSU

Survey of keyboard literature presented in a master class format. Analysis of styles and techniques of solo and ensemble performances.

Nursing Education (NURS)

Contact the Nursing Education Department for further information, (760) 744-1150, ext. 2580. For transfer information, consult a Palomar College counselor.

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

CONTINUING EDUCATION FOR NURSES

Continuing Education Units (CEUs) for currently licensed RNs and LVNs can be earned through a variety of Palomar College academic classes. CEU documentation can be awarded by the Community Development office upon successful completion of coursework. For information on CEU options for nurses call (760) 744-1150, ext. 2586.

GENERAL INFORMATION

The Registered Nursing (RN) program is accredited by the California Board of Registered Nursing and the National League for Nursing Accrediting Commission (NLNAC), 61 Broadway, New York, NY 10006, 1-800-669-1656. The program prepares graduates to give direct nursing care to patients in hospitals and other health agencies on a staff nurse level. The curriculum consists of coursework in nursing, general education, and clinical nursing practice in local hospitals and other health agencies. The nursing faculty of the College is directly responsible for all phases of the program.

Admission to the nursing program is by special application. To be eligible for consideration, applicants must (1) be eligible for admission to Palomar College; (2) attend a Nursing Orientation meeting; (3) submit proof of high school graduation or equivalency or higher; (4) GPA of 2.5 in prerequisite sciences; and (5) meet academic requirements specified in the Nursing Education Department brochure.

LICENSURE: Upon successful completion of the Associate Degree Nursing (ADN) Program, students will be eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN) and, if performance on the examination is successful, will be licensed as a registered nurse.

Students electing the non-degree 30-Unit Option as well as students who do not complete the requirements for the ADN but who successfully complete the required nursing and support courses are eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN), as a NON-DEGREE candidate, and if successful, will be licensed as an RN by the California Board of Registered Nursing. Endorsement of a non-degree RN in other states is questionable. ONCE THE LICENSING EXAM IS TAKEN, STATUS CANNOT BE CHANGED, REGARDLESS OF SUBSEQUENT DEGREES EARNED.

CREDIT BY EXAMINATION: Academic credit by examination may be obtained by those whose prior education and/or experience provides the knowledge and skills required to meet the objectives of one or more courses. Students who believe they may be eligible for credit by examination should contact the Nursing Education Department for an appointment for special advising prior to submitting their application for admission to the program. For College policy regarding credit by examination, consult "Credit by Examination" in the Academic Regulations and Standards section of this catalog.

Upon completion of the eligibility requirements, separate theory and clinical performance examinations will be administered for courses with a laboratory component. A written patient care plan is required in all theory and clinical courses. Completion of the written work with a grade of "C" or better is required prior to taking the clinical examination. Courses without a lab component will have a written examination only. A grade of "C" or better must be achieved. The Department of Nursing Education's Credit by Examination Policy may be obtained from the Nursing Education Department Office.

A maximum of 20 units may be obtained through credit by examination.

Associate Degree Nursing (ADN) Curriculum

For students entering the ADN Program Spring 1998 or later

A. A. Degree Major

Program Requirements	Units
MATH 56, 60 or an appropriate score on an approved math exam	0-6
MICR 200* Fundamentals of Microbiology	5
ZOO 200* Anatomy	5
ZOO 203* Physiology	5
Semester I	
NURS 117 Nursing I	9
NURS 103 Nursing Foundation I	2
Semester II	
NURS 118 Nursing II	9
Semester III	
NURS 217 Nursing III	9
NURS 203 Nursing Foundation II	2
Semester IV	
NURS 218 Nursing IV	9
Additional Related Support Courses	
ENG 100** English Composition	4
PSYC Any course numbered 100 or above except 140 & 205	3
SOC Any course numbered 100 or above except 140 & 205	3
SPCH Any course numbered 100 or above except 145 & 150	3
Remaining A.A. Degree Competencies and Courses	
<i>American History and Institutions</i>	6
<i>Health and Physical Education requirement</i> (waived by completing nursing curriculum)	0
<i>Humanities</i>	3
<i>Integrated Self and Life-Long Learning</i> (met by completing nursing curriculum)	0
<i>Multicultural requirement</i> (met by completing NURS 103 & 217)	0
TOTAL UNITS	77 – 83

* Four semester unit courses accepted from accredited colleges

** Three semester unit courses accepted from accredited colleges
Curriculum plan subject to change.

Advanced Standing for LVNs

Advanced Standing for LVNs is based on the following requirements:

- Hold a valid, active LVN License in the state of California
- Meet all requirements for admission as identified in the College Catalog and the Nursing Education Department brochure
- Successfully complete NURS 110
- Graduation from an accredited LVN/LPN program

Upon successful completion of NURS 110, the student has two academic years to enroll in the nursing program. If the

student is unable to enroll within two academic years, for any reason other than lack of space in the program, the student will be required to repeat NURS 110.

Associate Degree Nursing Curriculum (LVN-RN)

A. A. Degree Major

Program Requirements	Units
MATH 56, 60, or an appropriate score on an approved math exam	0-6
MICR 200* Fundamentals of Microbiology	5
ZOO 200* Anatomy	5
ZOO 203* Physiology	5
NURS 110 LVN-RN Transition	2
Semester I	
NURS 217 Nursing III	9
NURS 203 Nursing Foundation II	2
Semester II	
NURS 218 Nursing IV	9
Additional Related Support Courses	
ENG 100** English Composition	4
PSYC Any course numbered 100 or above except 140 & 205	3
SOC Any course numbered 100 or above except 140 & 205	3
SPCH Any course numbered 100 or above except 145 & 150	3
Remaining A.A. Degree Competencies and Courses	
American History and Institutions	6
Health and Physical Education requirement (waived by completing nursing curriculum)	0
Humanities	3
Integrated Self and Life-Long Learning (met by completing nursing curriculum)	0
Multicultural requirement (met by completing NURS 110 & 217)	0
TOTAL UNITS	59 – 65

When the student has successfully completed the ADN program, the student will be given credit for previous vocational nursing education equivalent to 20 units.

* Four semester unit courses accepted from accredited colleges
 ** Three semester unit courses accepted from accredited colleges
 Curriculum plan subject to change.

CREDIT BY TRANSFER: Students who have been enrolled in an accredited Registered Nursing program within the last two years may receive full credit for courses transferred which are, as evaluated by the Palomar College Nursing Education Department faculty, comparable to courses offered by the College. If courses transferred are found not to be comparable, students may challenge Palomar courses for credit.

Associate Degree Nursing Diploma RN to ADN

- The student must present a valid active California RN license to be verified by the Nursing Education Department. A copy of the RN license must be submitted to the College's Records Office for inclusion in the student's academic file.
- The student must have an official transcript of the diploma school coursework sent to Department of Nursing Education at Palomar College.
- Units accepted from diploma school: 38 units of the 40 units required for the major in nursing at Palomar

- College may be accepted from the diploma school of nursing.
- Two units must be earned by completion of, or challenging of, NURS 203, Nursing Foundation II.
- When the student has completed the General Education requirements for the A.A. Degree and the two units required in nursing, the student will be awarded credit for the 38 units of coursework completed in the diploma school of nursing.

Non-Degree Program LVN to RN (30-Unit Option)

Any LVN licensed in the state of California is eligible to apply for this program. The program is prescribed by the Board of Registered Nursing and provides an RN license for CALIFORNIA ONLY. The College acts as a facilitator. Students must successfully complete or challenge NURS 110 to be eligible to apply for this program.

Upon successful completion of NURS 110, a student has two academic years to enroll in the nursing program. If the student is unable to enroll within two academic years, for any reason other than lack of space in the program, the student will be required to repeat NURS 110.

A maximum of 30 units of nursing and support courses are required to fulfill the unit requirement for licensure by the Board of Registered Nursing.

Program Requirements	Units
ZOO 203* Physiology	5
MICR 200* Fundamentals of Microbiology	5
NURS 110 LVN-RN Transition	2
Semester I	
NURS 217** Nursing III	9
Semester II	
NURS 218 Nursing IV	9
TOTAL UNITS	30

* Four semester unit courses accepted from accredited colleges
 ** NURS 203 is recommended with NURS 217

30-Unit Option students, with additional units in general education, may earn the Associate in Arts Degree in General Studies. An Associate Degree in Nursing will NOT be awarded.

COURSE OFFERINGS

To remain in the program, students must maintain a minimum grade of "C" in each of the nursing courses and in all required support courses. Grades in the clinical nursing laboratories are based on satisfactory/unsatisfactory practice. A student might fail a nursing course on the basis of clinical practice even though theory grades may be passing.

NURS 103 Nursing Foundation I (2)
 2 hours lecture
Prerequisite: Admission to the Associate Degree Nursing Program
Corequisite: NURS 117
Note: Graded only
Transfer acceptability: CSU

This course provides an introduction to critical thinking as a method of exploring issues related to the nursing role as a provider of care and as a member of the discipline. Concepts essential for nursing practice and functional health patterns are introduced. The nursing process as a foundation for nursing practice is introduced. Multicultural considerations including gender, culture, ethnicity, sexuality, and age are explored. These concepts are introduced at a beginning level for a provider of care and a member of the discipline.

- NURS 110 LVN-RN Transition** (2)
2 hours lecture
Prerequisite: Current California Vocational Nurse License
Recommended preparation: MATH 56 or 60, or the appropriate score on an approved math exam
Note: Graded only
Transfer acceptability: CSU
 This course facilitates the transition of the Licensed Vocational Nurse into the Associate Degree Nursing Program. Provides an introduction to critical thinking as a method of exploring issues related to the nursing role as a provider of care and as a member of the discipline. Emphasis is placed on the acquisition and utilization of the components of the nursing process within a multicultural framework. Multicultural considerations including gender, culture, ethnicity, sexuality, and age, in the care of clients and families are explored. Concepts essential for nursing practice and functional health patterns are introduced.
- NURS 117 Nursing I** (9)
4 hours lecture-15 hours laboratory
Prerequisite: Admission to the Associate Degree Nursing Program
Corequisite: NURS 103
Note: Graded only
Transfer acceptability: CSU
 The nursing process and components of critical thinking are introduced in this course. Focus is placed on the care of stable clients with expected or predictable outcomes. Provides a basic foundation for nursing practice with a focus on assessment (utilizing functional health patterns), nursing skills, and therapeutic communication. Emphasis is placed on the role of the nurse as a provider of care and member of a discipline.
- NURS 118 Nursing II** (9)
4 hours lecture-15 hours laboratory
Prerequisite: NURS 103 and 117
Note: Graded only
Transfer acceptability: CSU
 Builds on the foundation of NURS 117 with the application of the nursing process and critical thinking in the care of the childbearing family, pediatric client, and medical surgical clients. Concepts are expanded to include the recognition of changes in clients with predictable outcomes and the utilization of appropriate interventions. Emphasis is placed on client teaching, collaboration with family members, and shared decision making. There is a continuing emphasis on the role of the nurse as a provider of care and member of the discipline.
- NURS 120 Pharmacology for Nurses I** (2)
2 hours lecture
Transfer acceptability: CSU
 Basic concepts of pharmacology, pharmacokinetics, pharmacodynamics, drug interactions, and the nursing process related to neurologic and neuromuscular agents; analgesics and anti-inflammatory agents; eye, ear, and skin agents; respiratory agents; endocrine agents; gastrointestinal agents; and reproductive and gender-related agents.
- NURS 121 Pharmacology for Nurses II** (2)
2 hours lecture
Transfer acceptability: CSU
 Basic concepts of pharmacology, pharmacokinetics, pharmacodynamics, drug interactions, and the nursing process related to anticonvulsive agents; antipsychotic agents; cardiovascular agents; renal agents; anti-infective agents; vaccinations; and antineoplastic agents.
- NURS 140 Adult Health Assessment** (1.5)
3 hours lecture/laboratory
Transfer acceptability: CSU
 Basic concepts of health assessment to include interviewing and assessment techniques used to obtain a comprehensive health history from an adult and relating findings to the nursing process. Transcultural and adult developmental stage considerations are also included.
- NURS 197 Nursing Topics** (.5-4)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule
Note: May be taken 4 times
- Transfer acceptability:** CSU
 Topics in Nursing. See Class Schedule for specific topic offered. Course title will designate subject covered.
- NURS 203 Nursing Foundation II** (2)
2 hours lecture
Prerequisite: NURS 103 or 110
Corequisite: NURS 217
Note: Graded only
Transfer acceptability: CSU
 This course builds on the foundation of NURS 103 or NURS 110. Critical thinking is utilized as a method of exploring issues related to the nursing role as a provider of care, member of the discipline, and manager of care. Historical, political, educational, legal, ethical, and bioethical issues that impact nursing practice are explored. Nursing organizations are explored via the Internet with emphasis on evaluating nursing information. Managerial concepts are introduced and focus on decision-making skills, managing resources, organizing time, delegating and supervising care, teaching staff, and providing feedback. Content is provided on progressive discipline and managing conflict.
- NURS 217 Nursing III** (9)
4 hours lecture-15 hours laboratory
Prerequisite: NURS 118 or admission to the Associate Degree Nursing Program (LVN-RN) or admission to the Non-Degree Program LVN-RN (30-unit option)
Corequisite: NURS 203
Note: Graded only
Transfer acceptability: CSU
 Builds on the foundation of NURS 118 or 110 as a process for the development of complex thinking. This course has a dual focus. One focus is placed on the care of adult/geriatric clients with multiple and chronic health problems. The other focus is placed on the care of adolescent, adult, and/or geriatric clients with psychiatric mental-health problems. Concepts are expanded to include identification, prioritization, and interventions for clients who have unpredictable outcomes or who demonstrate changes in health status. Collaboration with other health team members when modifying client's care is incorporated. The role of the nurse expands to include being a manager of a group of clients.
- NURS 218 Nursing IV** (9)
3½ hours lecture-16½ hours laboratory
Prerequisite: NURS 203 and 217
Note: Graded only
Transfer acceptability: CSU
 Builds on the foundation of NURS 217 and 203 expanding nursing practice and critical thinking to incorporate complex decision making. Focus is placed on adapting and managing care for multiple clients with complex and rapidly changing health care needs. During the preceptorship, the student functions as a provider of care, manager of care, and a member of the discipline.
- NURS 295 Directed Study in Nursing** (1,2,3)
3, 6, or 9 hours laboratory
Prerequisite: Approval of proposal by the department chairperson
Note: Credit/No Credit grading only; may be taken 4 times for a maximum of 6 units
Transfer acceptability: CSU
 Designed for the student who has demonstrated a proficiency in nursing subjects and the initiative to work independently on a particular sustained project which does not fit into the context of regularly scheduled classes. Additionally, this course can be used for students transferring into the Palomar College nursing program. Course work would fulfill needed content and/or clinical laboratory time to meet the requirements of the Associate Degree Nursing Program.

Nutrition

See Family and Consumer Sciences, Health, Institutional Food Service Training