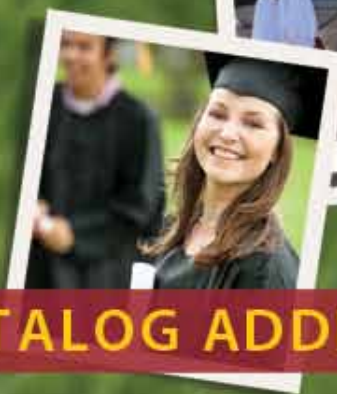


SACRAMENTO CITY COLLEGE



2012-2013 CATALOG ADDENDUM

Sacramento City College

2012-2013 Catalog Addendum, June 2012
Revised July 2012
Revised January 2013
Revised March 2013



This addendum to the 2012-2013 Sacramento City College Catalog contains changes that offer new educational opportunities for students. These updates were approved after the 2012-2013 College Catalog went to press in March and are effective for June 2012.

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Degrees:

- A.A. - Administration of Justice
- AS-T - Associate in Science in Administration of Justice for Transfer
- A.S. - Correctional Services
- A.S. - Police Services

Certificates of Achievement:

- Correctional Services
- Police Services

Division of Behavioral and Social Sciences

J. Frank Malaret, Dean
Rodda North 226
916-558-2401

New Program



Administration of Justice

AS-T - Associate in Science in Administration of Justice for Transfer

Program Information

The general field referred to as "Administration of Justice" is directed toward the prevention, discovery, control, and treatment of crimes, criminals, and criminality. Students desiring to enter a career concerned with the administration of justice will find that this curriculum has flexibility that allows them to prepare for specific fields included in that broad category. The program also provides the basis for advanced study at a four-year college. Opportunities for college graduates include positions as federal and state parole officers, probation officers, and correctional administrators.

General college preparatory courses are recommended as High School Preparation.

To earn an associate transfer degree, students must complete the following requirements:

- (1) Complete a minimum of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - (A) The California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).
 - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtain of a minimum grade point average of 2.0. Students must earn a "C" or better in all courses required for the major or area of emphasis.

Please note that our local Sacramento City College general education pattern may not be used to fulfill the requirements of this degree and that all required courses for the degree must be transferable to CSU.

Career Opportunities

A great variety of career opportunities is open to students who successfully complete specific portions of this program of study. There is an urgent demand for trained personnel in such areas as uniformed police patrol, investigation, criminal identification, criminalistics, and corrections. Financially and professionally rewarding employment in these areas may be found on the local, state, federal, and private levels.

Upon completion of this program, the student will be able to:

- effectively communicate in both oral and written formats.
- demonstrate a knowledge of the interactions and relationships of law enforcement, courts, and corrections on the local, state, and federal levels.
- identify career opportunities in the criminal justice system at the local, state, special districts, and federal level.
- analyze crime causation, recognize the elements within criminal statutes, and be familiar with criminal procedures utilized to enforce those statutes.
- evaluate the complex legal aspects of criminal investigations, procedures, constitutional law, and case law.
- apply laws and procedures for the collection and use of all forms of evidence for the purpose of criminal prosecutions.
- identify and explain the purpose and authority of the local, state, and federal courts systems.
- differentiate the purpose and authority of all law enforcement agencies at the local, state, special district, and federal level.
- recognize, understand, and acquire a sensitivity to the diverse cultures in our society and how this diversity impacts the criminal justice system.

Required Program	Units
ADMJ 300 Introduction to Administration of Justice.....	3
ADMJ 320 Concepts of Criminal Law.....	3
A minimum of 6 units from the following:.....	6
ADMJ 302 Community Relations: Multicultural Issues (3)	
ADMJ 330 Criminal Investigation (3)	
ADMJ 304 Juvenile Delinquency (3)	
ADMJ 322 Criminal Procedures (3)	
ADMJ 323 Legal Aspects of Evidence (3)	
ADMJ 340 Introduction to Correctional Services (3)	
A minimum of 6 units from the following:.....	6
SOC 300 Introductory Sociology (3)	
or SOC 480 Introductory Sociology - Honors (3)	
STAT 300 Introduction to Probability and Statistics (4)	
or STAT 480 Introduction to Probability and Statistics - Honors (4)	
PSYC 300 General Principles (3)	
or PSYC 480 Honors General Principles (3)	
Total Required Units	18

Associate in Science for Transfer Degree

The Associate in Science in Administration of Justice for Transfer (AS-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Degrees:

A.S. - Chemistry

A.S. - Chemical Technology

Certificate of Achievement:

Chemical Technology

Division of Science and Allied Health

James Collins, Dean

Mohr Hall 18

916-558-2271

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New Program**Chemical Technology****Associate in Science Degree****Certificate of Achievement****Program Information**

The Chemical Technology Program trains students for a wide variety of scientific laboratory technician career opportunities. Students not only will be instructed in the theory and fundamentals of chemistry, but they will also be exposed to hands-on training with lab equipment and sophisticated state-of-the-art lab instrumentation. Students will be taught how to perform standard laboratory techniques, how to follow safety procedures, and how to prepare clear, thorough lab reports.

Throughout the program there will be emphasis on clear written communication and correct mathematical calculations. Students will be challenged to strengthen problem-solving and critical-thinking skills. They also will have opportunities to develop effective verbal communication, and to use software commonly employed in scientific labs.

A student who satisfactorily completes the program will be awarded a Certificate of Achievement. Students who complete the program may also qualify for an Associate of Science degree by fulfilling the Graduation Requirements specified in this catalog.

Career Opportunities

Employment data indicates that there are a large number of science lab technicians employed in this region.

Students who complete the Chemical Technology Program may work in environmental monitoring and pollution analysis, materials testing, medical testing, or quality control. They may work in laboratories supporting manufacturing, agriculture, medical research, the petrochemical industry, or government agencies.

Upon completion of this program, the student will be able to:

- apply problem-solving and analytical thinking skills in the planning, execution, and interpretation of chemistry lab work.
- correctly use common chemistry laboratory instruments to process materials and/or collect data.
- demonstrate oral and written communication skills necessary to report and discuss chemistry laboratory processes with other scientifically trained personnel.
- demonstrate an understanding of safety practices, including proper chemical waste disposal procedures.

Required Program**Units**

CHEM 400 General Chemistry.....	5
CHEM 401 General Chemistry.....	5
CHEM 420 Organic Chemistry (5)	4 - 5
or CHEM 425 Organic Chemistry with Biological Emphasis (4)	
CHEM 421 Organic Chemistry (5)	4 - 5
or CHEM 426 Organic Chemistry with Biological Emphasis (4)	
CHEM 410 Quantitative Analysis	5 ¹
A minimum of 3 units from the following:.....	3 ²
ENGWR 300 College Composition (3)	
ENGWR 301 College Composition and Literature (3)	
ENGWR 302 Advanced Composition and Critical Thinking (3)	
ENGWR 480 Honors College Composition (3)	
ESLW 340 Advanced Composition (4)	
BUS 310 Business Communications (3)	
ENGWR 482 Honors Advanced Composition and Critical Thinking (3)	
Total Required Units	26 - 28

¹Offered in spring only.

²This corresponds to the General Education Area II English Composition requirement.

Associate in Science Degree

The Chemical Technology Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Certificate of Achievement

The Certificate of Achievement may be earned upon completion of the required program with grades of "C" or better.

Course Change**ENGWR 51 Developmental Writing 4 Units**

Prerequisite: None.

Hours: 72 hours LEC

This course focuses on basic writing skills, emphasizing the connection between writing and reading. It offers individualized and group instruction for students who need to improve their ability to write increasingly complex and varied short essays. Each student writes a minimum of 4,000 words divided into at least five essays (at least three of which will be written entirely in class and some of which may be in response to readings). The course includes principles of basic grammar, effective sentence structure, paragraph development, and analysis of and response to reading. Students will read at least one book-length work. Formerly known as ENGWR 50.

Degree:

A.S. - Graphic Communication

Certificates of Achievement:

- 3D Animation and Modeling
- Graphic Communication
- Graphic Design
- Game Design
- Interactive Design
- Web Design

Division of Advanced Technology

Donnetta Webb, Dean
Technology 106
916-558-2491

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New Program

Graphic Communication

Graphic Design

Certificate of Achievement

Program Information

This program offers students a comprehensive study of graphic design for print and/or web medium using current technologies. The curriculum encompasses the full spectrum of design theory, process, tools, and techniques that students will need to be successful in the graphic design industry. Students will also be experience working with clients and preparing final project files and materials for printing or distribution. Students who complete this certificate will be able to produce a variety of print and/or web design projects and possess a professional portfolio of their work.

Career Opportunities

Career Opportunities may be found in graphic design studios, publications, animation studios, in-house agencies, and self-employment/freelance.

Upon completion of this program, the student will be able to:

- demonstrate a comprehensive understanding and application of design theory and processes for creating original print and Web projects.
- evaluate design opportunities, explore visual responses, and introduce and explain final results to an audience.
- determine the appropriate tool to solve a visual communication need.
- apply appropriate type, color, form, and imagery to a visual project.
- plan, design, and produce a multi-paged/multifaceted project for print and/or Web.
- communicate with the current and appropriate design industry vocabulary.
- utilize design as a tool of engagement in issues of sustainability, social responsibility, economic equality, and cultural understanding.

Required Program

Units

GCOM 313 Digital Layout 1	3
GCOM 330 Digital Imaging 1	3
GCOM 340 Digital Illustration for Graphic Design 1	3
GCOM 349 Portfolio	1.5
GCOM 360 Introduction to Web and Interactive Technologies	3
A minimum of 9 units from the following:.....	9
GCOM 314 Digital Layout 2 (3)	
GCOM 319 Print and Multimedia Publication Design (3)	
GCOM 331 Digital Imaging 2 (3)	
GCOM 332 Digital Imaging 3 (3)	
GCOM 341 Digital Illustration for Graphic Design 2 (3)	
GCOM 343 Graphic Design Production (3)	
GCOM 345 Advanced Graphic Design Production (3)	
GCOM 347 Typography: Principles and Creation (3)	
GCOM 361 Beginning Creative Web Design (3)	
GCOM 362 Intermediate Creative Web Design (3)	
GCOM 490 Graphic Communication Studio (3)	

Total Required Units

22.5

Certificate of Achievement

The Certificate of Achievement may be earned upon completion of the required program with grades of "C" or better.

Journalism JOUR

Degree:
A.A. - Journalism

Certificate of Achievement:
Multimedia News Specialist
Visual Journalism

Division of Language and Literature
Albert Garcia, Dean
Rodda South 226
916-558-2325

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New Program

Visual Journalism

Certificate of Achievement

Program Information

The Visual Journalism certificate provides students the opportunity to fully prepare themselves for entry-level positions as multimedia photographers in the journalism field. Students will complete courses in both the Journalism and Photography programs with an emphasis on building a multimedia journalistic portfolio.

Students planning to prepare for a four-year degree in Photography should consult the lower division requirements of the university to which they plan to transfer.

Recommended High School Preparation: Courses in art, English, journalism, basic photography, graphic arts.

Costs: In addition to the normal student expenses (for textbooks, personal equipment, and supplies) digital print materials fees may be required. These fees may vary each semester. If these fees create a financial burden, students should consult the Financial Aid Office for possible assistance.

Upon completion of this program, the student will be able to:

- describe technical and aesthetic qualities of successful photojournalistic photographs.
- demonstrate a thorough knowledge of current computer software and digital imaging skills as they apply to photojournalism.
- produce photographs using various digital camera methods.
- create a portfolio and related materials for employment.
- demonstrate an understanding of and proficiency in multimedia storytelling.
- analyze content of newspapers, magazines, and online media.
- produce news and feature photographs/multimedia content for publication in a newspaper, magazine, or online publication.
- apply principles of audience and journalistic ethics to his or her photography/multimedia content, especially as they relate to gender, ethnicities, and culture.
- demonstrate understanding of the fundamentals of mass media theories, concepts, and practices as they relate to gender, ethnicities, and cultural constructs.
- demonstrate understanding of journalistic writing style and reporting.

Required Program

Units

PHOTO 302 Beginning Digital Photography	3
PHOTO 312 Intermediate Digital Photography	3
JOUR 364 Multimedia Capture I (3)	3
or PHOTO 380 Multimedia Capture I (3)	
JOUR 300 Newswriting and Reporting.....	3
JOUR 310 Mass Media and Society.....	3
A minimum of 6 units from the following:.....	6
JOUR 360 Photojournalism (3)	
PHOTO 350 Photojournalism (3 - 4)	
A minimum of 6 units from the following:.....	6
JOUR 406 Online Production (3)	

Total Required Units

27

Certificate of Achievement

The Certificate of Achievement may be earned upon completion of the required program with grades of "C" or better.

Kinesiology ADAPT, DANCE, FITNS, KINES, PACT, SPORT, TMACT Formerly Physical Education

Degrees:

- A.A. - Kinesiology –Athletic Training
- A.A. - Kinesiology – Exercise Science
- AA-T - Associate in Arts in Kinesiology for Transfer

Division of Kinesiology, Health, and Athletics
Mitchell Campbell, Dean/Athletic Director
Hughes Stadium, Section 1B
916-558-2425

Certificate of Achievement:

Athletic Coaching Certification

ADAPT - Adapted Physical Education

DANCE - Dance

FITNS - Fitness

KINES - Kinesiology

PACT - Personal Activity

SPORT - Sports

TMACT - Team Activities

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New Programs



Associate Degree
for Transfer
A Degree with a Guarantee.

Kinesiology

AA-T - Associate in Arts in Kinesiology for Transfer

Program Information

This Kinesiology program is designed to provide an opportunity for students to complete the lower division coursework required for four-year programs in at least one kinesiology/physical education degree option. This program is for students who plan to transfer to a California State University (CSU). Completion of the CSU General-Breadth or IGETC general education pattern is required. It is highly recommended that students meet with a counselor because the degree options and general education requirements vary for each college/university.

To earn an associate transfer degree, students must complete the following requirements:

- (1) Complete a minimum of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - (A) The California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).
 - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtain of a minimum grade point average of 2.0. Students must earn a "C" or better in all courses required for the major or area of emphasis.

Please note that our local Sacramento City College general education pattern may not be used to fulfill the requirements of this degree and that all required courses for the degree must be transferable to CSU.

Career Opportunities

The Kinesiology Degree is designed to facilitate students' successful transfer to the baccalaureate programs. Baccalaureate programs may include, but are not limited to, exercise science, health promotion, physical education, therapeutic exercise & rehabilitation, and exercise & movement science. The Associate in Arts Degree in Kinesiology for Transfer can provide a foundation for students interested in working in these careers or careers in related fields.

The Kinesiology degree is designed to facilitate students' successful transfer to the BA programs. BA programs may include, but are not limited to exercise science, health promotion, physical education - pre-physical therapy, physical education - pre-teaching, fitness director, sports psychology, therapeutic exercise and rehabilitation, and exercise and movement science. The Associate in Arts Degree in Kinesiology for Transfer can provide a foundation for students interested in working in these careers or careers in related fields.

Upon completion of this program, the student will be able to:

- identify and apply standards required by the profession of choice.
- demonstrate and articulate a statement of values or code of ethics related to the major that reflects one's respect for different ideas, peoples, and cultures.
- develop an understanding of the uses of technology in kinesiology, physical education, and sports analysis, research, and results.
- demonstrate continued personal and professional development by reviewing current literature, participating in associations, or sharing knowledge and experience with others.
- demonstrate an understanding of the human development, both normal and abnormal, and the implications for program design.
- demonstrate an understanding of the basic structure of the human body and how its various systems respond.
- apply knowledge of the human body to develop appropriate fitness programs and fitness assessments to evaluate and analyze program/student success.

Required Program	Units
KINES 300 Introduction to Physical Education, Kinesiology, Fitness and Sport.....	3
BIOL 430 Anatomy and Physiology.....	5
BIOL 431 Anatomy and Physiology.....	5
A minimum of 3 units from the following:.....	3
FITNS 310 Aqua Aerobics (1)	
or FITNS 312 Aquatic Fitness (1)	
or FITNS 440 Swimming (1)	
FITNS 412 Martial Arts: Taekwondo (1)	
DANCE 304 Polynesian Dance (1)	
or DANCE 310 Jazz Dance (1)	
or DANCE 330 Modern Dance (1)	
or DANCE 340 Ballroom Dance (1)	
FITNS 306 Aerobics: Cardio-Kickboxing (1)	
or FITNS 307 Aerobic Mix (1)	
or FITNS 308 Step Aerobics (1)	
or FITNS 324 Mat Pilates (1)	
or FITNS 331 Boot Camp Fitness (1)	
or FITNS 336 Plyometrics: Advanced Conditioning (1)	
or FITNS 356 Trim and Tone Conditioning (1)	
or FITNS 380 Circuit Weight Training (1)	
or FITNS 381 Weight Training (1)	
or FITNS 383 Olympic Power Weight Lifting (1)	
or FITNS 390 Basic Yoga (1)	
or FITNS 401 Walking (1)	
PACT 330 Boxing (1)	
or PACT 340 Fencing (1)	
or PACT 350 Golf (1)	
or PACT 390 Tennis (1)	
or PACT 400 Track and Field (1)	
or PACT 410 Wrestling (1)	
TMACT 300 Soccer, Indoor (1)	
or TMACT 302 Soccer - Outdoor (1)	
or TMACT 310 Baseball (1)	
or TMACT 320 Basketball (1)	
or TMACT 330 Volleyball (1)	
or TMACT 340 Football (1)	
or TMACT 350 Softball, Fast Pitch (1)	
or TMACT 370 Water Polo (1)	
A minimum of 4 units from the following:.....	4
BIOL 308 Contemporary Biology (3)	
and BIOL 309 Contemporary Biology Laboratory (1)	
PHYS 350 General Physics (4)	
STAT 300 Introduction to Probability and Statistics (4)	
or STAT 480 Introduction to Probability and Statistics - Honors (4)	
A minimum of 5 units from the following:.....	5
CHEM 309 Integrated General, Organic, and Biological Chemistry (5)	
CHEM 400 General Chemistry (5)	
Total Required Units	25

¹The options below are grouped into six movement clusters: Aquatics, Combatives, Dance, Fitness, Individual Sports, and Team Sports. Students majoring in Kinesiology should select one course (or one unit) from three different clusters.

Associate in Arts for Transfer Degree

The Associate in Arts in Kinesiology for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Athletic Coaching Certification

Certificate of Achievement

Program Information

This certification for athletic coaching provides students the foundational knowledge necessary in preparing them to move into the professional area of an athletic coach and advance career opportunities.

Career Opportunities

This program of study will prepare students for national and state certification for employment as athletic coaches.

Upon completion of this program, the student will be able to:

- analyze the numerous roles and responsibilities of coaching.
- analyze the different styles and philosophies of coaching.
- evaluate and develop a risk management plan for equipment, athletes, supervision, facilities, and additional areas that are specific to the sport.
- demonstrate an understanding of physical fitness, training, injury prevention, and time management related to specific sports.
- identify the effects of physical and emotional stress and develop management strategies.
- evaluate the various psychological skills and techniques that will enhance success.
- prepare necessary strategies that will build self-awareness and self confidence.
- describe the basic principles used in designing training programs for athletes.
- integrate the concepts of periodization in the development of a year round training program.
- evaluate the roles of strength endurance, agility, balance, coordination, speed, power, and flexibility in sport and conditioning performances.
- apply appropriate age specific psychological techniques to enhance communication for athletic performance.
- distinguish special considerations in coaching diverse athletes including age, gender, cultural background, and ability.
- demonstrate knowledge and understanding of the prevention, care, and management of injuries.
- define anatomy and sport injury terminology.
- explain the risks involved with substance abuse.
- evaluate dietary supplements and nutritional guidelines for performance.

Required Program

Units

KINES 300 Introduction to Physical Education, Kinesiology, Fitness and Sport.....	3
KINES 451 Principles and Theory of Athletic Coaching	3
KINES 452 Psychology of Sport and Fitness	3
KINES 457 Sport First Aid for Coaches	2
KINES 453 Training and Conditioning of Sports (2)	2
or KINES 454 Coaching the Young Athlete (2)	
A minimum of 6 units from the following:.....	6
KINES 304 Introduction to Sports Management (3)	
KINES 307 Mental Skills for Sport Performance (3)	
KINES 330 Care and Prevention of Athletic Injuries (3)	
KINES 418 Nutrition for Physical Performance (3)	
KINES 495 Independent Studies in Physical Education Theory (1 - 3)	

Total Required Units

19

Certificate of Achievement

The Certificate of Achievement may be earned upon completion of the required program with grades of "C" or better.

FITNS 332, Course Description Change

FITNS 332 Off Season Conditioning .5 - 1 Unit

Prerequisite: None.

Hours: 27 - 54 hours laboratory

This physical education course involves sport specific training and conditioning skills and techniques. There is a concentration of basic concepts with emphasis on conditioning. Students will have the opportunity to obtain knowledge and practical experience in a specific intercollegiate sport. The course may be taken four times for a maximum of four units for credit.

New Courses

SPORT 316 Basketball, Intercollegiate – 1 Unit Women, Fall

Prerequisite: None

Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a try-out conducted by the coaching staff.

Hours: 90 hours laboratory

This is an advanced course designed to provide specialized training for competition with other community college teams. Demonstration of fundamental and advanced skills, adherence to rules and etiquette of basketball, and execution of team strategy will be expected of all students. This course will encompass the pre-season, tournament, and non-league portion of the season. This course may be taken three times for credit.

SPORT 317 Basketball, Intercollegiate – 1 Unit Women, Spring

Prerequisite: SPORT 316 with a grade of "C" or better

Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a try-out conducted by the coaching staff.

Hours: 90 hours laboratory

This is an advanced course designed to provide specialized training for competition with other community college teams. Demonstration of fundamental and advanced skills, adherence to rules and etiquette of basketball, and execution of team strategy will be expected of all students. This course will encompass the league and post-season competition phases of the season. This course may be taken three times for credit.

Physical Therapist Assistant PTA

Degree:

A.S. - Physical Therapist Assistant

Division of Science and Allied Health

James Collins, Dean

Mohr Hall 18

916-558-2271

Physical Therapist Assistant

Associate of Science Degree

Program Information

The Physical Therapist Assistant (PTA) program is at the Associate in Science Degree level, which requires completion of the required program plus general education requirements. These include prerequisite courses (14.5 units), PTA courses (33.5 units), Allied Health courses (3 units), and specific general education courses required for the program (9 units). Students must also take additional courses to meet graduation requirements of the college (10-19 units). PTA and Allied Health courses are offered Monday through Thursday in the evening, and are scheduled sequentially for four semesters and one summer session. Supervised clinical work experiences are integrated throughout the program. Introduction to Clinical Practice (PTA 122) requires one full day per week during the second semester of the program. Clinical Practicum I and II (PTA 142 and 152) are each full time 6-week clinical experiences at the end of fall and spring semesters of the second year. Clinical sites are located throughout the greater Sacramento and Northern California region.

Career Opportunities

This program prepares the student for employment as a physical therapist assistant. Physical therapist assistants work under the supervision of physical therapists in a wide variety of health care settings. These include hospitals, rehabilitation centers, private practices, and skilled nursing and extended care facilities. Physical therapist assistants treat clients with mobility, strength, and coordination disorders in order to improve function, decrease pain, and increase independence. The scope of practice includes activities such as therapeutic exercise, administration of physical modalities, ambulation training, and assisting patients with transfers and functional activities. Physical therapist assistants collect and document data in order to assess whether patients are progressing appropriately within the plan of care determined by the physical therapist.

Recommended Preparation

High school college preparatory courses including algebra, biology, chemistry, and physiology are recommended. Volunteer work or observational experience in a physical therapy facility is recommended in order to assist students in making a career decision. Medical Language (AH 110) is advised prior to enrollment in the program.

Enrollment Requirements

Enrollment in the Physical Therapist Assistant program is based on completion of prerequisite courses. Grades of "C" or better and a minimum cumulative GPA of 2.5 are required in the prerequisite courses. Courses taken for Pass/No Pass (formerly Credit/No Credit) will be calculated into GPAs as a "C" grade. Applicants must submit applications and official transcripts to the Science and Allied Health Division. Approximately 30 students are enrolled in the program annually. Prerequisite courses include:

1. BIOL 430 and 431 (Anatomy and Physiology), or equivalent courses, within 10 years, with grades of "C" or better.
2. PTA 100 (Introduction to Physical Therapist Assistant) and ENGWR 300 (College Composition) or ESLW 340 (Advanced Composition), with grades of "C" or better.

3. ENGRD 110 (Composition Strategies and Vocabulary Development for College), with a grade of "C" or better, or eligibility for ENGRD 310 (Prose Analysis and Interpretation) as determined by the reading assessment process for all applicants who do not have an AA degree or higher.
4. If students have completed all other prerequisites, but have BIOL 431 in progress at the time of application, they will be considered eligible, pending receipt of final grade report.

Enrollment Process

Applications for enrollment and official transcripts supporting completion of prerequisite courses must be submitted to the Science and Allied Health Division. Enrollment applications and deadlines are available from the Science and Allied Health Division Office (Mohr Hall, Room 18 or 916 558-2271) or the physical therapist assistant program website at <http://www.scc.losrios.edu/x38263.xml>

In the event there are more applicants than spaces available, students who meet the enrollment eligibility requirements will be entered into a random selection pool.

Students accepted for enrollment in the Physical Therapist Assistant Program will be required to provide documentation of

- a) capability to perform essential job-related functions of a physical therapist assistant;
- b) completed physical examination and immunizations;
- c) TB test;
- d) current professional level CPR certification; and
- e) first aid certification.

Prior to assignment to a clinical experience, students will be required to undergo a criminal background check and an 8-panel drug screen test.

Accreditation

The Physical Therapist Assistant Program at Sacramento City College is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314; telephone: 703-706-3245; email: accreditation@apta.org; website: <http://www.capteonline.org>.

Licensure

Graduates of this program are eligible for the National Examination for Physical Therapist Assistants. After successful completion of the examination and all requirements of the Physical Therapy Board of California, graduates may be licensed to work as physical therapist assistants in California.

Additional Information

Informational meetings are held several times each semester and provide prospective students with information on program prerequisites, enrollment processes, and other facts about the program and the field of physical therapy. Current information on program policies and procedures, clinical sites, and data on graduation rates, licensure, and employment may be obtained through the program coordinator. Call (916) 558-2298 or visit the SCC Web Site at <http://www.scc.losrios.edu> and use the pull-down menu to select the Physical Therapist Assistant department.

Cost of the Program

The cost of the program includes enrollment fees, which are subject to change. Other estimated costs include: books and supplies \$900.00; physical examination and immunizations \$250.00; malpractice insurance \$40.00; uniforms \$50.00; and application for license examination \$600.00. Students must also plan for travel costs to and from the clinical facilities, many of which are outside the Sacramento area. Some students may need to arrange for housing during full time clinical experiences.

Transfer Students

Students from other accredited PTA programs may apply to transfer to the Sacramento City College PTA program. Enrollment depends upon evidence of completion of equivalent academic and clinical course work and on space available in the program.

Upon completion of this program, the student will be able to:

- demonstrate ability to apply knowledge of basic anatomy and biomechanics to the study of normal and abnormal human movement.
- discuss etiology, signs, symptoms, prognosis, and general treatment of selected disorders commonly seen in physical therapy.
- demonstrate understanding of the theoretical basis of modalities and procedures used in physical therapy interventions.
- perform in a safe manner that minimizes risk to patients, self, and others.
- conduct self in a responsible manner.
- interact with others in a respectful manner.
- adhere to ethical standards for practice.
- adhere to legal standards for practice.
- communicate in ways that are congruent with situational needs.
- produce documentation to support the delivery of physical therapy services.
- deliver established patient care to reflect respect for and sensitivity to individual differences.
- participate in status judgments within the clinical environment based on the plan of care established by the physical therapist.
- obtain accurate information by performing selected delegated data collection consistent with the plan of care established by the physical therapist.
- discuss the need for modifications to the plan of care established by the physical therapist.
- perform physical therapy interventions in a technically competent manner.
- educate others (patients, families, care givers, staff, students, other health care providers) using relevant and effective teaching methods.
- participate in activities addressing quality of service delivery.
- participate in addressing patient needs for services other than physical therapy.
- manage resources (e.g. time, space, and equipment) to achieve the goals of the clinical setting.
- participate in fiscal management of the physical therapy clinical setting.
- interact with physical therapy aides and other support personnel according to legal standards and ethical guidelines.
- implement a self-directed plan for career development and lifelong learning.
- assist the physical therapist in addressing primary and secondary prevention needs of individuals and groups.

Required Program

Prerequisite Courses

Units

PTA 100 Introduction to Physical Therapist Assistant.....	1.5
BIOL 430 Anatomy and Physiology.....	5
BIOL 431 Anatomy and Physiology.....	5
ENGWR 300 College Composition (3) or ENGWR 480 Honors College Composition (3) or ESLW 340 Advanced Composition (4)	3-4
ENGRD 110 Comprehension Strategies and Vocabulary Development For College	3 ¹

First Year, Fall Semester:

PTA 110 Kinesiology for PTA Students.....	3
PTA 111 Kinesiology Laboratory for PTA Students.....	2
AH 100 Professional Ethics of Health Team Members.....	1

First Year, Spring Semester:

PTA 120 Beginning Procedures - Physical Therapy Modalities and Procedures.....	3.5
PTA 121 Disorders I - Selected Disorders Commonly Seen in Physical Therapy	3
PTA 122 Introduction to Clinical Practice.....	3

Summer Session:

PTA 130 Intermediate Procedures, Physical Therapy Modalities and Procedures.....	1
AH 106 Communication for Allied Health Careers.....	2

Second Year, Fall Semester:

PTA 140 Therapeutic Exercise - Exercise Programs, Protocols and Procedures	3
PTA 141 Disorders II - Nervous Systems Disorders	2
PTA 142 Clinical Practicum I.....	4

Second Year, Spring Semester:

PTA 150 Functional Activities & Gait - Activities of Daily Living and Gait Training Techniques	3
PTA 151 Advanced Procedures-Advanced Modalities and Treatment Procedures.....	1
PTA 152 Clinical Practicum II.....	4
PTA 153 Professional Issues in Physical Therapy.....	1

General Education Courses:

PSYC 370, Human Development: A Life Span (3)..... or FCS 324, Human Development: A Life Span (3)	3
SOC 300, Introductory Sociology (3)..... or ANTH 310 Cultural Anthropology (3)	3
FCS 340, Nutrition (3)..... or FCS 480 Nutrition Honors (3) or NUTRI 300, Nutrition (3) or NUTRI 480 Nutrition Honors (3) or HEED 300 Health Science (3)	3

Total Required Units

63-64

¹ ENGRD 110 or eligibility for ENGRD 310 as determined by the reading assessment process for all applicants who do not have an Associate degree or higher.

Associate in Science (A.S.) Degree

The Associate in Science Degree may be obtained by completion of all components of the required program, plus general education requirements. See SCC graduation requirements.

Physical Therapist Assistant (PTA)

PTA 100 Introduction to Physical Therapist Assistant 1.5 Units

Prerequisite: None.

Advisory: ENGWR 101 or ESLW 340 with a grade of "C" or better

Hours: 27 hours LEC

This course provides an introduction to the field of physical therapy and the role of the physical therapist assistant within the health care delivery system. Definitions of physical therapy, history and development of the profession, and the diverse types of clinical practice and employment settings are explored. The mission and goals of the professional organization, standards of practice, laws and regulations, and licensure requirements are introduced. Students observe examples of physical therapy practice using on-line media resources and submit a written report.

PTA 110 Kinesiology for PTA Students 3 Units

Prerequisite: See enrollment limitations.

Advisory: AH 110 and LIBR 318 with grades of "C" or better

Enrollment Limitation: Enrollment into the Physical Therapist Assistant Program and completion of PTA 100, BIOL 430 & 431, and ENGWR 300 (or ESLW 340) with grades of "C" or better, and a cumulative GPA of 2.5 in these courses. Completion of ENGRD 110 with a grade of "C" or better (or eligibility for ENGRD 310, as determined by the reading assessment process) for all applicants who do not have an A.A. Degree or higher.

Hours: 54 hours LEC

This course involves developing and utilizing knowledge of the skeletal, articular, muscular, and nervous systems to analyze human posture and movement. Components of joint structure and function, muscle action, balance mechanisms, and sensory influence are applied to analysis of spinal and extremity motions, as well as common functional activities. Kinesiological principles are presented as they apply to the practice of physical therapy, and the roles and responsibilities of the physical therapist assistant. A paper and project are required.

PTA 111 Kinesiology Laboratory for PTA Students 2 Units

Prerequisite: See enrollment limitations.

Corequisite: PTA 110

Enrollment Limitation: Enrollment into the Physical Therapist Assistant Program and completion of PTA 100, BIOL 430 & 431, and ENGWR 300 (or ESLW 340) with grades of "C" or better, and a cumulative GPA of 2.5 in these courses. Completion of ENGRD 110 with a grade of "C" or better (or eligibility for ENGRD 310, as determined by the reading assessment process) for all applicants who do not have an A.A. Degree or higher.

Hours: 108 hours LAB

This course utilizes a problem solving approach to analysis of human movement emphasizing application of kinesiological principles to the field of physical therapy and the role of the physical therapist assistant. Students practice procedures for performing and recording results of palpation, goniometry, tests for flexibility/muscle length, body dimensions, muscle performance, upper extremity coordination, and analysis of posture and gait. Physical therapy procedures such as range of motion, positioning and draping, and body mechanics are introduced. Principles of gross motor, fine motor, and reflex development are included. Students practice skills and activities with each other in a laboratory setting under instructor supervision. A project and class presentation are required.

PTA 120 Beginning Procedures - Physical Therapy Modalities and Procedures 3.5 Units

Prerequisite: PTA 110 and 111 with grades of "C" or better

Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program

Hours: 45 hours LEC; 54 hours LAB

This course introduces the theory and application of physical therapy modalities and procedures to include thermal agents, hydrotherapy, external compression, wound management, transfers and gait training, and utilization of infection control procedures. Students develop skills in gathering data regarding vital signs, functional ability in gait and transfers, pain status, and integumentary integrity. Documentation procedures, including use of medical abbreviations and terminology, are practiced. Through laboratory activities and problem-solving with case studies, students develop skills in utilizing modalities and procedures in comprehensive implementation of the physical therapy plan of care. Class activities may include a field trip.

PTA 121 Disorders I - Selected Disorders Commonly Seen in Physical Therapy 3 Units

Prerequisite: PTA 110 and 111 with grades of "C" or better

Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

Hours: 54 hours LEC

This course is designed as an overview of musculoskeletal, cardiovascular, respiratory, renal, endocrine, immune, and integumentary disorders relevant to the practice of physical therapy. Additional topics include: infectious disease, genetic disorders, neoplasms, and the effect of developmental, psychosocial, and cultural factors. Etiology, signs and symptoms, prognosis, and medical/surgical interventions for disorders are surveyed. Approaches to data collection and physical therapy interventions are introduced. Emphasis is placed on utilization of knowledge of medical disorders by physical therapist assistants within the context of implementing a comprehensive plan of care.

PTA 122 Introduction to Clinical Practice 3 Units

Prerequisite: PTA 110 and 111 with grades of "C" or better

Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

Hours: 18 hours LEC; 112 hours LAB

This course provides students with the initial opportunity to observe physical therapy practice and perform selected delegated responsibilities with guidance, direction, and supervision. Students complete 56 hours in each of two different clinical settings. Assignments are determined by the program coordinator and may be in acute, sub-acute, out-patient, skilled nursing and rehabilitation, or other type of physical therapy practice. Seminar hours include orientation to the clinical practice setting, discussion of clinical experiences and clinical practice issues, and self assessment of performance. The course is graded on a Pass/No Pass basis.

PTA 130 Intermediate Procedures, Physical Therapy Modalities and Procedures 1 Unit

Prerequisite: PTA 120, 121, and 122 with grades of "C" or better

Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program

Hours: 9 hours LEC; 27 hours LAB

This course introduces the theory and application of massage, soft tissue mobilization techniques, biofeedback, and traction utilized by physical therapist assistants. Through laboratory practice and case-based learning activities, students develop skills in utilizing these modalities and procedures in comprehensive implementation of the physical therapy plan of care.

PTA 140 Therapeutic Exercise - Exercise Programs, Protocols and Procedures 3 Units

Prerequisite: PTA 130 with a grade of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

Hours: 36 hours LEC; 54 hours LAB

This course presents the basic principles of therapeutic exercise and implementation of therapeutic exercise procedures in physical therapy. Approaches to improve range of motion, strength, endurance, balance, coordination, and functional limitations are included. Theories of motor control and motor learning are introduced. Knowledge of kinesiology, medical disorders, and documentation is integrated as students apply therapeutic exercise principles to case-based learning activities that emphasize the role of the physical therapist assistant in implementing a comprehensive physical therapy plan of care. Class activities may include a field trip.

PTA 141 Disorders II - Nervous System Disorders 2 Units

Prerequisite: PTA 130 with a grade of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

Hours: 36 hours LEC

This course is designed as an overview of central and peripheral nervous system disorders relevant to the practice of physical therapy. Etiology, signs and symptoms, prognosis, and medical/surgical interventions are surveyed. Approaches to physical therapy data collection and interventions are introduced. Emphasis is placed on utilization of knowledge of medical disorders by physical therapist assistants within the context of implementing a comprehensive plan of care.

PTA 142 Clinical Practicum I 4 Units

Prerequisite: AH 100, AH 106, and PTA 130 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

Hours: 240 hours LAB

This course provides students with the opportunity to perform delegated patient care responsibilities in a physical therapy clinical setting, with supervision. This is the first full-time clinical assignment during the program. Students complete a clinical affiliation of six weeks (40 hours per week) at a facility assigned by the program. The placement may be in an acute, sub-acute, out-patient, skilled nursing and rehabilitation, or other type of physical therapy practice. Additionally, weekly on-line discussion board participation is required. The course is graded on a Pass/No Pass basis.

PTA 150 Functional Activities & Gait - Activities of Daily Living and Gait Training Techniques 3 Units

Prerequisite: PTA 140, 141, and 142 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

Hours: 36 hours LEC; 54 hours LAB

This course presents the application of functional exercise and gait activities, with emphasis on the physical therapist assistant's role in comprehensive treatment of patients with cardiopulmonary disorders, adult or pediatric neurological disorders, or amputation. Data collection activities related to assessing cardiopulmonary status, functional abilities, gait, equipment and assistive devices, and home and community environment are included. Students practice implementation of interventions to include endurance training for patients with cardiopulmonary disorders, pulmonary hygiene techniques, functional activities and gait, activities of daily living, developmental activities, management of prosthetics and orthotics, management of wheelchairs and other equipment, and client/family education.

PTA 151 Advanced Procedures-Advanced Modalities and Treatment Procedures 1 Unit

Prerequisite: PTA 140, 141, and 142 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

Hours: 9 hours LEC; 27 hours LAB

This course introduces theory and application of electrotherapeutic modalities utilized by physical therapist assistants. Topics include the use of electrical stimulation for pain management, muscle re-education, and tissue healing. Through case-based learning activities students integrate skills in data collection, electrotherapeutic modalities, and other interventions for implementation of a comprehensive physical therapy plan of care.

PTA 152 Clinical Practicum II 4 Units

Prerequisite: PTA 140, 141, and 142 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

Hours: 240 hours LAB

This course provides students with the opportunity to perform delegated patient care responsibilities in a physical therapy clinical setting, with supervision. This is the second full-time clinical assignment during the program. Students complete a clinical affiliation of six weeks (40 hours per week) at a facility assigned by the program. The placement may be in an acute, sub-acute, out-patient, skilled nursing and rehabilitation, or other type of physical therapy practice. This assignment will be at a facility which differs from the first full-time clinical assignment. Additionally, weekly online discussion board participation is required. The course is graded on a Pass/No Pass basis.

PTA 153 Professional Issues in 1 Unit Physical Therapy

Prerequisite: PTA 140, 141, and 142 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

Hours: 18 hours LEC

This course addresses professional practice issues in physical therapy to include organizational structure, budget, time management, and social responsibility. Students review and integrate information on physical therapy practice and laws and regulations in preparation for the national examination, prepare a resume, and practice interview skills.

PTA 295 Independent Studies in Physical Therapist Assistant 1-3 Units

Prerequisite: None
Hours: 36 hours LEC; 54 hours LAB

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among faculty and students.

PTA 299 Experimental Offering in Physical Therapist Assistant .5-4 Units

Prerequisite: None
Hours: 48 hours LEC; 72 hours LAB

This course will be an experimental offering on topics not yet covered by current Physical Therapist Assistant courses or an offering that addresses topics as they arise, such as those which relate to new physical therapy modalities, procedures, or professional issues. This course can be repeated for credit four times as long as there is no duplication of topics.



Associate Degree
for Transfer
A Degree with a Guarantee.

All Transfer AA-T and AS-T Programs

Please note that our local Sacramento City College general education pattern may not be used to fulfill the requirements of this degree and that all required courses for the degree must be transferable to CSU.

Updated CSU Transfer Pattern

	<p>C1 - Arts: Arts, Cinema, Dance, Music, Theater</p> <p>ART 300, 305, 320, 324, 337, 370*, 380, 390, 400; ARTH 300, 302, 304, 306, 307, 308, 310, 312, 313, 314, 318, 320, 324, 325, 328, 330, 332, 334, 484, 486, 487, 488; COMM 305; ENGLT 400, 403**, 404; HUM 332**, 352**, 483**; MUFHL 305, 309, 310, 311, 315, 320, 330, 400, 401, 410, 411, 481, 482; MUIVI 380, 381, 382, 383; MUP 340*; MUSM 342, 344; TA 300, 302, 303, 308, 310, 312, 314, 315, 318**, 320*, 364, 370 (2 units), 404, 437 (2 units), 454</p>
	<p>C2 - Humanities: Literature, Philosophy, Languages Other than English</p> <p>ENGLT 303, 304, 310, 311, 317, 320, 321, 327, 331, 332, 334**, 335, 345, 346, 360, 365, 370, 380, 392, 401, 403**, 480, 481; ESLR 340; FASHN 330; HIST 300**, 302**, 307**, 308**, 310**, 311**, 314**, 360**, 364**, 365**, 373**, 375**, 380**, 483**, 484**, 485**; HUM 300, 310, 332**, 352**, 480, 483**; PHIL 300**, 310, 330, 331, 333, 338, 352, 353, 354, 368**, 480, 481, 482**; SILA 305, 306, 315, 316; SPAN 425, 427; TA 318**</p> <p>Foreign Languages: ARABIC 401, 402; CANT 401, 402, 411, 412; FARSI 401, 402; FREN 401, 402, 411, 412; GERM 401, 402, 411, 412; GREEK 401, 402; ITAL 401, 402; JAPAN 401, 402, 411, 412; KOREAN 401, 402; MAND 401, 402, 411, 412; PNJABI 401, 402; RUSS 401, 402, 411, 412; SPAN 401, 402, 411, 412, 413, 415; TGLG 401, 402; VIET 401, 402</p>
<p>Area D (D0-D9) – Social Sciences (9 units minimum) Two course combination from D1a or D1b and one course from D2. These courses are listed as Areas D0-D9 in ASSIST</p>	
	<p>D1a POLS 301** or 481** <i>paired with</i> HIST 310** or 311** or 320** or 321** or 483** or 484**</p> <p>OR</p> <p>D1b HIST 310** or 320** or 483** <i>paired with</i> HIST 311** or 321** or 484** or POLS 301** or 304** or 481**</p>
	<p>D2 ADMJ 342; ANTH 310, 315, 317, 320, 331, 332, 334, 341, 481; BUS 330, 345; COMM 321, 325, 328, 335, 341, 351, 363; ECE 312**, 314**; ECON 302, 304; ENGLT 334**, ENGWR 384; FCS 312**, 314**, 320**, 324**, 326**, 330**, 332**; GEOG 302, 310, 320, 322, 480; GERON 300**, 302**, HIST 300**, 302**, 307**, 308**, 309, 310**, 311**, 314, 320**, 321**, 344, 360**, 364**, 365**, 373**, 375**, 380**, 483**, 484**, 485; JOUR 310, 320; PHIL 368**, 482**; POLS 301**, 302, 303, 304**, 310, 312, 313, 320, 322, 340, 480, 481**; PSYC 300, 314, 316, 320, 335, 340**, 352, 353**, 356**, 360**, 363, 364, 367, 370**, 374**, 376, 390**, 392** (2 units), 480; SILA 330; SOC 300, 301, 310**, 312**, 321, 330, 335**, 341**, 343, 344**, 345, 350, 375, 480; SOCSC 300, 320, 325, 330, 332, 335, 336, 350, 352</p>
<p>Area E. Lifelong Learning and Self Development (3 units minimum)</p>	
	<p>BIOL 342**; BUS 320; ECE 312**, 314**, 415; FCS 304, 312**, 314**, 320**, 324**, 326**, 330**, 332**, 340, 344, 346, 480; GERON 300**, 302**; HEED 300; HCD 310; KINES 411, 418; NUTRI 300, 302, 320, 330, 480; PE (one unit maximum) any CSU transferable course from: ADAPT, DANCE, FITNS (except FITNS 371 or 372), KINES 381, 382, PACT, SPORT, TMACT; PET now "KINES"; PSYC 340**, 353**, 356**, 358, 360**, 370**, 374**, 390**, 392** (2 units), 410; SOC 310**, 312**, 335**, 341**, 344**</p>

Updated IGETC Transfer Pattern

Intersegmental General Education Transfer Curriculum (IGETC) University of California or California State University 2012-13

THE IGETC REQUIREMENTS MAY CHANGE EACH YEAR.

It is the student's responsibility to check with a counselor each year for updated IGETC information.
See a counselor prior to transfer concerning certification.

Completion of ALL the requirements (full-certification) in the IGETC will permit a student who transfers from a community college to a campus in either the California State University or University of California system without the need, after transfer to take additional lower-division general education courses. Students must meet with a counselor to request the IGETC Certification. **All courses must be completed with a "C" grade or better.**

NOTE: The IGETC is NOT appropriate for certain majors and/or campuses. Please consult with a counselor.

Courses are listed in more than one area but can only be used **once to satisfy a requirement.

Area 1– English Communication For CSU – three courses required, one course from each area (1A, 1B and 1C) For UC – two courses required, one from Areas 1A and one from 1B	
1A - English Composition	(one course, 3 units required) ENGWR 300, 480
1B - Critical Thinking – English Composition	(one course, 3 units required) COMM 316; ENGWR 301, 302, 482; PHIL 322; SOC 305
1C - Oral Communication – CSU REQUIREMENT ONLY	(one course, 3 units required) COMM 301, 302, 311, 331, 361
Area 2 – Mathematical Concepts and Quantitative Reasoning (one course, 3 units required) CISP 440; ECON 310; MATH 300, 350, 351, 370, 400, 401, 402, 410, 420, 482; STAT 300, 480	
Area 3 – Arts and Humanities (three courses, 9 units required) Three courses with at least one from the Arts and one from Humanities.	
3A - Arts	ARTH 300, 302, 304, 306, 307, 308, 310, 312, 313, 314, 318, 320, 324, 325, 328, 330, 332, 334, 484, 486, 487, 488; COMM 305; ENGLT 400, 403**, 404; MUFHL 305, 309, 310, 311, 315, 320, 330, 400, 401, 410, 411, 481, 482; TA 300, 302, 303, 308, 310, 312, 314, 315, 320, 454
3B - Humanities	ANTH 331**, ENGLT 303, 304, 310, 311, 317, 320, 321, 327, 331, 332, 334, 335, 345, 346, 360, 365, 380, 392, 401, 403**, 480, 481; HIST 300, 302, 307**, 308**, 310**, 311**, 314**, 360**, 364, 365, 373, 380**, 483**, 484**, 485**; HUM 300, 310, 332, 352, 480, 483; PHIL 300, 310, 330, 331, 333, 338, 352, 353, 354, 368, 480, 481, 482; SILA 315, 316; SPAN 425, 427; TA 318; Foreign Languages: CANT 411, 412; FREN 411, 412; GERM 411, 412; JAPAN 411, 412; MAND 411, 412; RUSS 411, 412; SPAN 411, 412, 415
Area 4 (Area 4A-4J in ASSIST) – Social and Behavioral Sciences (three courses, 9 units required) Three courses from at least <u>two disciplines</u> . NOTE: * Indicates that this course <u>may not be used</u> for AREA 4 if the course is used for CSU U.S. History, Constitution, and American Ideals requirement.	
ANTH 310, 315, 317, 320, 331**, 332, 334, 341, 481; BUS 345; COMM 321, 325, 328, 351, 363; ECE 312, 314; ECON 302, 304; ENGWR 384; FCS 312, 314, 320, 324, 326, 330, 332; GEOG 302, 310, 320, 322, 480; GERON 300, 302; HIST 307, 308, 309, 310*, 311*, 314, 320*, 321*, 344, 360**, 380**, 483*, 484*, 485; JOUR 310, 320; POLS 301*, 302, 304*, 310, 312, 313, 320, 322, 340, 480, 481*; PSYC 300, 316, 320, 335, 340, 352, 356, 360, 363, 364, 367, 370, 374, 376, 390, 480; SILA 330; SOC 300, 301, 310, 312, 321, 330, 335, 341, 343, 344, 345, 480; SOCSOC 300, 320, 325, 330, 332, 335, 336, 350, 352	

College Personnel, Administrators

Associate Vice President

Enrollment and Student Services, Debra J. Luff, Ed.D.

The following courses may be offered with hours To Be Arranged (TBA).

Aeronautics (AERO)

AERO 301 General Airframe and 3 Units **Powerplant Applications**

Prerequisite: AERO 309 with a grade of "C" or better; Concurrent enrollment in AERO 300 or completion of AERO 300 with a grade of "C" or better.

Corequisite: AERO 300

Course Transferable to CSU

Hours: 180 hours LAB

This course provides skills projects related to AERO 300 as required by the Federal Aviation Administration. Topics will include sheet metal repair, welding, and hardware identification. Minimum attendance is mandated by the Federal Aviation Administration. This course may have up to 180 hours scheduled as To Be Arranged (TBA).

AERO 303 Basic Electricity, Airframe and 3 Units **Powerplant Electrical** **Systems Applications**

Prerequisite: AERO 309 with a grade of "C" or better; Concurrent enrollment in AERO 302 or completion of AERO 302 with a grade of "C" or better.

Course Transferable to CSU

Hours: 180 hours LAB

This course provides development projects related to AERO 302 lectures as required by the Federal Aviation Administration to develop skills necessary for an Airframe and Powerplant Technician. Units of instruction include repair and maintenance techniques of airframe and powerplant electrical systems and cover ignition as well as electrical generating systems, instruments, batteries, and AC and DC circuits. Minimum attendance is mandated by the Federal Aviation Administration. This course may have up to 180 hours scheduled as To Be Arranged (TBA).

AERO 320 Airframe Systems and 5 Units **Components**

Prerequisite: AERO 309 with a grade of "C" or better

Corequisite: Concurrent enrollment in AERO 322

Course Transferable to CSU

Hours: 90 hours LEC

This course provides instruction in the following aircraft airframe systems: fuel, hydraulic, pneumatic, position and warning, air conditioning, heating, oxygen, pressurization, ice and rain control, and fire protection and detection. Minimum attendance is mandated by the Federal Aviation Administration. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

AERO 321 Airframe Structures 5 Units

Prerequisite: AERO 309 with a grade of "C" or better

Corequisite: Concurrent enrollment in AERO 323

Course Transferable to CSU

Hours: 90 hours LEC

This course provides instruction in aircraft sheet metal, fabric, dope, and paint processes, plastic, wood, fiberglass, honeycomb, composites, and laminated structures, assembly and rigging, and landing gear systems. Minimum attendance is mandated by the Federal Aviation Administration. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

AERO 322 Airframe Systems and 3 Units **Components Applications**

Prerequisite: AERO 309 with a grade of "C" or better

Corequisite: Concurrent enrollment in AERO 320

Course Transferable to CSU

Hours: 180 hours LAB

This course provides skill development projects as required by the Federal Aviation Administration. The projects are related to the subject areas covered in AERO 320 and include familiarization, operation, overhaul, testing, and diagnosis of the components and systems. Minimum attendance is mandated by the Federal Aviation Administration. This course may have up to 180 hours scheduled as To Be Arranged (TBA).

AERO 323 Airframe Structures and 3 Units **Systems Applications**

Prerequisite: AERO 309 with a grade of "C" or better

Corequisite: Concurrent enrollment in AERO 321

Course Transferable to CSU

Hours: 180 hours LAB

This course provides projects related to the AERO 321 lectures as required by the Federal Aviation Administration to develop skills in inspecting, checking, diagnosing, servicing, and repairing the components and systems. Minimum attendance is mandated by the Federal Aviation Administration. This course may have up to 180 hours scheduled as To Be Arranged (TBA).

Biology (BIOL)

BIOL 290 Science Skills and Applications .5 Unit

Prerequisite: None.

Corequisite: Current enrollment in a science course.

Hours: 27 hours LAB

This course offers individualized instructional modules designed to provide or improve skills in the various science courses. A partial list of skills may include the following: textbook comprehension, principles of learning and retention, note taking, annotating, discipline-based vocabulary, paraphrasing, reading graphics, test taking, spatial ability, proportionality, and problem solving. Registration is open through the ninth week of the semester. To begin the course any later than that week would not permit completion of course material. This course may be taken four times for credit and is graded Pass/No Pass. This course may have up to 27 hours scheduled as To Be Arranged (TBA).

BIOL 390 Natural History Field Study .5-4 Units

Prerequisite: None.

Course Transferable to CSU

Hours: 24 hours LEC; 144 hours LAB

Ecology and natural history are covered in the field as well as birds, mammals, fish, insects, reptiles, and amphibians. Plants and geology will be studied and their interrelations investigated. The course will be offered in an appropriate area, and students will be responsible for providing their own lodging, meals, and necessary equipment. Camp sites will be available. This course is ideal for future teachers, parents, resource management majors, and those interested in the biological sciences. Units are awarded based on both lecture and laboratory (one unit per 18 hours lecture or 54 hours laboratory or a combination of lecture and laboratory hours). This course may be taken up to three times. This course may have up to 168 hours scheduled as To Be Arranged (TBA).

Computer Information Science - Network (CISN)

CISN 351 CISCO Networking Academy 3 Units (CCNP)tm: Remote Access

Prerequisite: CISN 343 with a grade of "C" or better or valid CISCO Certified Network Associate (CCNA) certification

Course Transferable to CSU

Hours: 54 hours LEC; 20 hours LAB

This course develops knowledge and skills in building remote access networks. Topics include design, configuration, enabling on-demand connections, enabling permanent connections, scaling remote access networks and remote access network setup, and management. This is the second course in a series of four advanced courses in preparation for the CISCO certification examination. This course may be taken up to four times for credit based on industry certification time limits. This course may have up to 74 hours scheduled as To Be Arranged (TBA).

CISN 352 CISCO Networking Academy 3 Units (CCNP)tm: Multi-Layer Switching

Prerequisite: CISN 343 with a grade of "C" or better or valid CISCO Certified Network Associate (CCNA) certification

Course Transferable to CSU

Hours: 54 hours LEC; 20 hours LAB

This course develops knowledge and skills in multi-layer switched networks. Topics include how routing and switching technologies work together, building campus networks using multi-layer switching technologies, using VLAN, improving IP performance, and securing the campus network model. This is the third course in a series of four advanced courses in preparation for the CISCO certification examination. This course may be taken up to four times for credit based on industry certification time limits. This course may have up to 74 hours scheduled as To Be Arranged (TBA).

CISN 353 CISCO Networking Academy 3 Units (CCNP)tm: Internetwork Troubleshooting

Prerequisite: CISN 343 with a grade of "C" or better or valid CISCO Certified Network Associate (CCNA) certification

Course Transferable to CSU

Hours: 54 hours LEC; 20 hours LAB

This course develops knowledge and skills in fundamental hardware maintenance and troubleshooting routers and switches. Topics include managing and maintaining networks, troubleshooting tools and methodology, routing and routed protocol troubleshooting, campus switch and VLAN troubleshooting and WAN troubleshooting. This is the fourth course in a series of four advanced courses in preparation for the CISCO certification examination. This course may be taken up to four times for credit based on industry certification time limits. This course may have up to 74 hours scheduled as To Be Arranged (TBA).

Computer Information Science - Programming (CISP)

CISP 301 Algorithm Design and 4 Units Implementation

Prerequisite: None.

Advisory: CISC 310 with a grade of "C" or better, and at least one year of high school algebra or MATH 100 with a grade of "C" or better.

General Education: AA/AS Area II(b)

Course Transferable to CSU

Hours: 54 hours LEC; 54 hours LAB

This course provides an introduction to the analysis, design, and implementation of software solutions to simple problems. Developing standard algorithms for performing a bubble sort, a linear search of an array, and for data validation. Other topics covered include converting numbers between numbering systems, binary arithmetic including two's complement subtraction, console and file input/output, and functions. This course may have up to 108 hours scheduled as To Be Arranged (TBA).

CISP 310 Assembly Language 4 Units Programming for Microcomputers

Prerequisite: CISP 301 and 360 with grades of "C" or better

General Education: AA/AS Area II(b)

Course Transferable to UC/CSU

Hours: 54 hours LEC; 54 hours LAB

This is an introductory course in assembly language for the Intel family of microprocessors. Students will write and debug programs that use control structures, subprocedures, bit operations, arrays, and interrupts. Upon completion of the course, students will have a much better understanding of the internal operations of computers. This course may have up to 108 hours scheduled as To Be Arranged (TBA).

CISP 360 Introduction to 4 Units Structured Programming

Prerequisite: CISP 301 with a grade of "C" or better

General Education: AA/AS Area II(b)

Course Transferable to UC/CSU

Hours: 54 hours LEC; 54 hours LAB

This course is an introduction to structured programming and objects. Topics include program design, use of variables and constants, operators, control structures, functions, standard libraries, pointers, arrays, and input/output (including file I/O). This course may have up to 108 hours scheduled as To Be Arranged (TBA).

Cosmetology (COSM)

COSM 140 Supplemental Training 1-5 Units

Prerequisite: COSM 100 with a grade of "C" or better

Hours: 270 hours LAB

This course provides training in current trends in hair styling, advanced hair coloring, and cold waving. It also satisfies the hours and requirements for re-entering and out-of-state candidates who want to apply for a California Cosmetology license. This course may have up to 270 hours scheduled as To Be Arranged (TBA).

Dental Assisting (DAST)

DAST 129 Clinical Experience II 2 Units

Prerequisite: DAST 111, 112, 115, 116, 117, and 119 with grades of "C" or better.

Enrollment Limitation: Enrollment in the Dental Assisting program.
Hours: 108 hours LAB

This course involves performance of basic dental assisting duties as well as expanded duties in an assigned dental clinic or private office during 105 hours of clinical affiliation to be arranged. Students will meet for three hours of seminar. This course is graded on a Pass/No Pass basis. This course may have up to 108 hours scheduled as To Be Arranged (TBA).

English - Writing (ENGWR)

ENGWR 300 College Composition 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better; or placement through the assessment process; or placement through the SCC assessment process.

Advisory: LIBR 318; Concurrent enrollment in ENGWR 59; completion of ENGRD 310 with a grade of "C" or better.

General Education: AA/AS Area II(a); AA/AS Writing Competency; CSU Area A2; IGETC Area 1A

Course Transferable to UC/CSU

Hours: 54 hours LEC

This writing course emphasizes reading, writing, and critical thinking skills that are essential for successful completion of a four-year college program. Students write a minimum of 6,500 words divided among 6-8 essays, including at least one research paper and one inclass essay. This course satisfies the writing competency requirement for graduation. This course may have up to 54 hours scheduled as To Be Arranged (TBA).

Electronics Technology (ET)

ET 490 Advanced Student Projects Laboratory 2 Units

Prerequisite: ET 306 with a grade of "C" or better or equivalent.

Advisory: ET 300 and ET 301 with grades of "C" or better. Concurrent enrollment in ET 340 is advised.

Course Transferable to CSU

Hours: 108 hours LAB

This course provides an opportunity for students to pursue advanced projects selected by the Electronics Technology Department staff. This course may be taken twice for credit. This course may have up to 108 hours scheduled as To Be Arranged (TBA).

Graphic Communication (GCOM)

GCOM 313 Digital Layout 1 3 Units

Prerequisite: None.

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This course is an introduction to graphic design principles related to page layout, composition and electronic publishing, utilizing an industry-standard software. Students will discover how to effectively utilize the software and the design process to create brochures, newsletters, catalogs, and a variety of other digital materials that follow basic layout and design principles. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 314 Digital Layout 2 3 Units

Prerequisite: GCOM 313 with a grade of "C" or better, or equivalent

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This is an in-depth course covering advanced creative layout, production, and electronic publishing in the graphic design industry. Utilizing industry-standard software and process, students will conceive and produce dynamic portfolio-quality projects. Topics include brand and identity design, advertising design, typography, grid, color theory, composition, multipage publication design, brochure and packaging layout, basic interactive media design, book design, working with clients, and working with professional printing services. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 330 Digital Imaging 1 3 Units

Prerequisite: None.

Course Transferable to UC/CSU

Hours: 36 hours LEC; 54 hours LAB

This introductory course covers the core concepts associated with digital imaging. Adobe Photoshop is used for creating, manipulating, and enhancing digital images for print and screen-based media. Students learn how to effectively use this software in a graphic design environment; planning and carrying out professional digital imaging projects. This course introduces both basic visual design concepts and a comprehensive understanding of digital workflow, providing the student with a foundation for print, web, interactive, animation, and game design projects. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 331 Digital Imaging 2 3 Units

Prerequisite: GCOM 330 with a grade of "C" or better or equivalent.

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This course centers on graphic design process and production employing advanced image editing techniques using the current version of industry-standard software. In addition to learning advanced capabilities, students will learn how to alter existing images realistically, creatively apply techniques to original artwork and images, visually communicate ideas and messages successfully, and prepare and present their projects to meet professional industry standards. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 332 Digital Imaging 3 3 Units

Prerequisite: GCOM 330 with a grade of "C" or better, or equivalent Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This course centers on advanced digital imaging and image editing techniques for Internet, multimedia, 3D and video applications, using the current version of industry-standard software. In addition to learning advanced capabilities, students will learn how to alter existing images realistically, creatively apply techniques to original artwork and images, prepare static and animated graphics for use on the Internet and other new media, import and alter 3D and video images, visually communicate ideas and messages successfully, and prepare and present their projects to meet professional industry standards. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 340 Digital Illustration for Graphic Design 1 3 Units

Prerequisite: None.

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This beginner's course introduces students to and engages them in theories of form making, design research, composition, and typography using the medium of digital illustration. Course projects encourage students to experiment, work within creative and technical limitations, and communicate visually. Additionally, students learn how digital illustrations are created, are exposed to a variety of different illustration styles, practice contemporary design methods and thinking, and study a designers' use of digital illustration as a communication tool. This course offers students several processes for designing original graphics and illustrations for graphic design. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 341 Digital Illustration for Graphic Design 2 3 Units

Prerequisite: GCOM 340 with a grade of "C" or better or equivalent

Advisory: ART 300 with a grade of "C" or better or equivalent.

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This course builds from the thinking and making skills developed in GCOM 340 and takes an in-depth look at applying digital illustration tools to graphic design investigations. The course work encourages students to experiment and communicate with digitally illustrated and typographic form making. Topics include color, typography, composition, visual theme, drawing technique, and understanding the offset and digital printing processes. Students complete the course with several professionally designed, original illustrations for their portfolios. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 343 Graphic Design Production 3 Units

Prerequisite: None.

Advisory: GCOM 313 or GCOM 340 with a grade of "C" or better or equivalent

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This in-depth course is an introduction to the principles of graphic design. Specific focus will be on gestalt principles of design; balance and visual hierarchy; integration of text and image on the two-dimensional page; and introduction to typographic exploration. This course is a foundation course for graphic design students, but is also relevant to students studying Web design and computer animation. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 347 Typography: Principles and Creation 3 Units

Prerequisite: None.

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

Typography is THE essential ingredient to successful graphic design, including print, web, and all other new media. The first half of this introductory course serves as an essential primer for graphic designers in understanding the history and core principles of typography. The second half focuses on students digitally creating their own fonts and typefaces with an introduction to the professional font creation and editing software Fontlab Studio. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 349 Portfolio 1.5 Units

Prerequisite: None.

Advisory: Students should have at least four pieces of artwork or design projects to use in this course.

Course Transferable to CSU

Hours: 18 hours LEC; 27 hours LAB

This course is intended for new or returning students who wish to present a portfolio of work in the Graphic Communication-related and creative industries for the purpose of job interviews or admission to a four-year art/design school. Through lecture, demonstration, and hands-on methods, students will gain understanding of the aesthetics, organization, and physical preparation in creating a portfolio of work. Topics include portfolio mediums, mounting and presentation, self-promotion resumes, pursuing a job or transfer school, interviewing for a creative position, and getting your Graphic Design or Web Design work noticed. This course may have up to 45 hours scheduled as To Be Arranged (TBA).

GCOM 350 Skills and Resources for Graphic Professionals 3 Units

Prerequisite: None.

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This course prepares students pursuing a career in the graphic related arts with industry skills essential to this occupation. Topics include: job searches, soliciting and performing freelance work, setting up a studio, working in an existing firm, winning work, developing client relationships, self-promotion, sustainability issues, and other resources. Using a combination of lectures with speakers from the industry, this course will offer practical advice and philosophical guidance towards gaining a rewarding career in the graphic arts industries. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 360 Introduction to Web and Interactive Technologies 3 Units

Prerequisite: GCOM 330 with a grade of "C" or better or equivalent.

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This primer course introduces the fundamentals and principles of contemporary Web design, interactive and motion design, these industries, and the current technologies used. The course will provide students with the basics of Web literacy, site and interactive development, information architecture, accessibility, wireframes, prototypes, web coding and scripting, visual design principals, and graphics and motion for the Web. This course is a required prerequisite for GCOM 361, GCOM 380, and GCOM 390. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 361 Beginning Creative Web Design 3 Units

Prerequisite: GCOM 360 with a grade of "C" or better

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

In this course, students will explore a range of approaches in designing for the World Wide Web, while introducing students to an industry-standard Web authoring tool. Through a series of incremental assignments, students will explore fundamental Web design concepts within a non-static, non-linear environment, culminating in the development of a live and functioning website. Additionally, this course provides an overview of standards-compliant HTML/CSS, techniques for adding interactivity, accessibility, and support in preparing graphics for Web use and for prototyping site designs. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 362 Intermediate Creative Web Design 3 Units

Prerequisite: GCOM 361 with a grade of "C" or better or the equivalent.

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

In this course, students will explore intermediate concepts of contemporary website design. As a result of taking a deep look at graphic design principles and their application to website design, students will also discover effective and standards-compliant HTML and CSS applications, as well as techniques for adding interactivity. Additionally, this course will provide an overview of on-line tools and an introduction to dynamic site design, data-driven languages and server processes. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 380 Interactive Design 1 3 Units

Prerequisite: GCOM 360 with a grade of "C" or better

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This course introduces basic interactive communication and development processes / techniques using the current version of ActionScript. Concepts include basic user interface design, development methodologies, scripted events, separation of design and data, object-oriented programming, and various applications of these technologies (Web, RIA, kiosk, device UI). Assignments and projects emphasize the application of design principles to the elements of motion and interactivity. Students will learn the principles of interactive design in an effort to create Web sites with animation, interactive buttons, and sound. The course also covers creative processes for Web design, working with a client, and optimal delivery. This course may have up to 90 hours scheduled as To Be Arranged (TBA)

GCOM 383 Interactive Design 2 3 Units

Prerequisite: GCOM 380 with a grade of "C" or better

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This is an intermediate course in interactive design and is intended to follow GCOM 380. This course offers in-depth design explorations into interactive development techniques. Topics include designer's application of object-oriented programming, separation of design and data to build dynamic applications, integration of video, sound, database interaction, and interface with web services. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 390 Motion Design 1 3 Units

Prerequisite: GCOM 360 with a grade of "C" or better

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This course introduces the student to creating and animating 2D motion graphics using industry-standard applications. Students will explore the tools and techniques needed to produce motion graphics and animations for television, film, and the web. Topics will include a basic overview motion design principles, 2D animation practices, audio integration, advanced video effects, and the technical challenges of working with video and film materials. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 400 Introduction to the Principles of Animation 3 Units

Prerequisite: None.

Advisory: ART 300 or ART 304 with a grade of "C" or better or equivalent.

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This course introduces students to the animation industry: a historical perspective, industry overview, and the principles and theory that guide animation. The principles of animation are emphasized through lecture and the use of 2D drawing tools. Students learn the animation production process and industry trends. Students work on hands-on projects creating 2D animations. A grade of "C" or better is required in the course in order to take GCOM 401. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 401 Introduction to Computer Animation 3 Units

Prerequisite: GCOM 400 with a grade of "C" or better or equivalent course.

Advisory: ART 304 with a grade of "C" or better.

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

In this course, students are introduced to the creation of 3D animation using the personal computer. The principles of animation and the use of 3D animation tools are emphasized through lecture and hands-on projects. Students experience the animation production process and are exposed to industry trends. Students work on projects creating 3D animations, animatics, and short films. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 402 Beginning 3D Modeling and Rigging 3 Units

Prerequisite: None.

Advisory: GCOM 341, GCOM 400, and ART 304 with grades of "C" or better.

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This course introduces the student to 3D modeling and character rigging using industry standard 3D modeling software. Through exercises and hands on projects, students explore concepts, principles, and techniques in 3D modeling and character rigging. Topics include: 3D modeling, character rigging, texturing, lighting, and rendering. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 424 Video Game Art

3 Units

Prerequisite: GCOM 402 with a grade of "C" or better

Advisory: GCOM 361 with a grade of "C" or better.

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

In this course, students will explore the production of video game graphics. The course follows the role of the video game artist through the game development process. Using industry standard graphic software, students will develop and refine three-dimensional video game assets. Topics covered include concept art, understanding and developing in game assets, and troubleshooting. The artistic side of video game design will be emphasized; this course is not a computer programming course. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 490 Graphic Communication Studio 3 Units

Prerequisite: OPTION 1 (Graphic Design): GCOM 313 and either GCOM 340 or GCOM 330 with a grade of "C" or better or equivalents OR OPTION 2 (Web Design): GCOM 360 or GCOM 361 with a grade of "C" or better or equivalent. OR OPTION 3 (Computer Animation): GCOM 400 or GCOM 402 with a grade of "C" or better or equivalent.

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

Graphic Communication Studio will introduce career-driven design students to producing real-world graphic design, Web design, or animation projects for non-profit organizations and the Sacramento community. Through lecture, demonstration, client meetings, and brainstorming sessions, students will have the opportunity to develop a portfolio of completed projects. Students will also experience deadlines, the client-designer relationship, how to set pricing for projects, and strategies for presenting concepts and design work. This course may be taken up to three times if there is a change in design medium (graphic design, Web design, or animation). This course may have up to 90 hours scheduled as To Be Arranged (TBA).

Human Career Development (HCD)

HCD 318 Transfer: Making It Happen 2 Units

Prerequisite: None.

General Education: AA/AS Area III(b)

Course Transferable to UC/CSU

Hours: 36 hours LEC

This course will introduce students to strategies for successful transfer and eventual graduation from a four-year college or university. College research, general breadth/major requirements, self-analysis, and differentiation between college selection and majors will be included. Optional field trips may be included. This course may have up to 36 hours scheduled as To Be Arranged (TBA).

Kinesiology - Fitness (FITNS)

FITNS 332 Off Season Conditioning .5-1 Unit

Prerequisite: None.

General Education: AA/AS Area III(a); CSU Area E2

Enrollment Limitation: Students must be a member of an intercollegiate athletic team.

Course Transferable to UC/CSU

Hours: 54 hours LAB

This physical education course involves sport specific training and conditioning skills and techniques. There is a concentration of basic concepts with emphasis on conditioning. Students will have the opportunity to obtain knowledge and practical experience in a specific intercollegiate sport. The course may be taken four times for a maximum of four units for credit. This course may have up to 54 hours scheduled as To Be Arranged (TBA).

KINES 412 Strength and Fitness Certification 3 Units

Prerequisite: None.

General Education: AA/AS Area III(b)

Course Transferable to CSU

Hours: 54 hours LEC

This course will provide students with the necessary preparation for the National Council of Strength and Fitness (NCSF) personal training certification. The course includes topics on scientific foundations, nutrition, body composition, components of fitness, exercise prescription, specific needs in special populations, connections between physical activity and mental and emotional health, and exercise programming and assessments. This course was formerly known as PET 412. This course may have up to 54 hours scheduled as To Be Arranged (TBA).

Mathematics (MATH)

MATH 100 Elementary Algebra 5 Units

Prerequisite: MATH 34 with a grade of "C" or better; or placement through the assessment process.

Hours: 90 hours LEC

This course includes the fundamental concepts and operations of algebra with problem solving skills emphasized throughout. Topics include: properties of real numbers, linear equations and inequalities, integer exponents, polynomials, polynomial factorization, rational expressions and equations, radical expressions and equations, rational exponents, systems of linear equations and inequalities, the rectangular coordinate system, graphs and equations of lines, and quadratic equations. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

Music, Specializations In Music (MUSM)

MUSM 330 Introduction to MIDI: Musical Instrument Digital Interface 2.5 Units

Prerequisite: None.

Advisory: MUFHL 320 or MUIVI 345 with a grade "C" or better.

Course Transferable to CSU

Hours: 36 hours LEC; 36 hours LAB

This is an introductory course to the fields of music technology and desktop music production. Students will utilize contemporary computer, software, and electronic instrument technology to create music of diverse styles and genres. This course may have up to 72 hours scheduled as To Be Arranged (TBA).

MUSM 331 Intermediate MIDI: Musical Instrument Digital Interface 2.5 Units

Prerequisite: MUSM 330 with a grade of "C" or better

Course Transferable to CSU

Hours: 36 hours LEC; 36 hours LAB

This course builds on skills learned in MUSM 330 and concentrates on more advanced electronic arranging techniques using computers, synthesizers, and music notation software. Through a series of MIDI projects, students learn how various instruments are combined and mixed to create demo recordings in various styles of music. This course may have up to 72 hours scheduled as To Be Arranged (TBA).

MUSM 344 Recording Studio Techniques 3 Units

Prerequisite: MUSM 306 or 342 with a grade of "C" or better

General Education: CSU Area C1

Course Transferable to CSU

Hours: 36 hours LEC; 54 hours LAB

This lecture and "hands-on" lab class builds on topics covered in MUSM 342 and MUSM 306. It uses 8-track recording techniques utilizing the Alesis ADAT Digital Recorder and the Mackie 8-bus Mixer. Basic, as well as advanced, microphone techniques, acoustics, recording studio design, mixing, monitoring, and audio measurement are covered. Students have the opportunity to engineer live studio recording sessions during class. This course may have up to 72 hours scheduled as To Be Arranged (TBA).

Nursing, Registered (NURSE)

NURSE 370 Focused Learning in the Associate Degree Nursing Program 1-1.5 Units

Prerequisite: See enrollment limitations.

Corequisite: NURSE 405 (Fundamentals of Health and Nursing Care), or NURSE 415 (Nursing and Health Maintenance through Adult Years), or NURSE 425 (Nursing Complex Health Problems throughout the Life Cycle), or NURSE 435 (Complex and Multiple Patient Care).

Enrollment Limitation: Acceptance into the Registered (Associate Degree) Nursing Program.

Course Transferable to CSU

Hours: 6 hours LEC; 63 hours LAB

This course offers strategies to enhance student success in each of the four semesters of the Registered (Associate Degree) Nursing program and in the National Licensure Examination for Nurses after graduation. This course assesses personal aptitudes, learning styles, strengths and weaknesses in written and verbal communication, and

potential barriers to successful completion of the nursing program. The course includes the development of personal and professional support systems and development of a purposeful analytic process that results in reasoned decisions and judgments as a healthcare professional.

The goal will be to level focused learning from simple to complex as students advance through the nursing program. Course content will address the specific needs of the student as they adapt to clinical, theory and evaluation methods required in the nursing classes and includes evaluation of mastery of the concurrent Registered (Associate Degree) Nursing course objectives and remediation before the final examination. This course utilizes Regional Health Occupations Resource Centers (RHORC) Student Success materials and Assessment Technologies Institute (ATI) teaching materials that supplement and review the Associate Degree content. This course may be taken four times for credit for a maximum of six units. This course may have up to 69 hours scheduled as To Be Arranged (TBA).

NURSE 371 Focused Learning in the Associate Degree Nursing Program 1-1.5 Units

Prerequisite: See enrollment limitations.

Enrollment Limitation: Acceptance into the Registered (Associate Degree) Nursing Program.

Course Transferable to CSU

Hours: 27 hours LEC

This course offers strategies to enhance student success in each of the four semesters of the Registered (Associate Degree) Nursing Program and in the National Licensure Examination for Nurses after graduation. This course assesses personal aptitudes, learning styles, strengths, and weaknesses in written and verbal communication and potential barriers to successful completion of the nursing program. The course includes the development of personal and professional support systems and development of a purposeful analytic process that results in reasoned decisions and judgments as a healthcare professional. The goal will be to level focused learning from simple to complex as students advance through the nursing program. Course content will address the specific needs of the students as they adapt to clinical, theory, and evaluation methods required in the nursing classes and includes evaluation of mastery of the concurrent Registered (Associate Degree) Nursing Program course objectives and remediation before the final examination. This course utilizes Regional Health Occupations Resource Centers (RHORC) Student Success materials and online testing and remediation resources that supplement and review the Registered (Associate Degree) Nursing Program content. This course is graded Pass/No Pass and may be taken four times for credit, provided no course topics are repeated, for a maximum of six units. This course was formerly known as NURSE 370. This course may have up to 27 hours scheduled as To Be Arranged (TBA).

Occupational Therapy Assistant (OTA)

OTA 142 Introduction to Clinical Practice in Physical Dysfunction 1 Unit

Prerequisite: OTA 131 and 132 with grades of "C" or better

Corequisite: OTA 141

Hours: 54 hours LAB

Through Level I Fieldwork experiences, students will be introduced to clinical practice for individuals with physical disabilities that limit or affect engagement in occupation. As participant observers, students will integrate academic experiences with Occupational Therapy (OT) process in settings serving clients with a variety of physical challenges and degrees of disability. Through interactions with clients and staff, students will develop skills in observation of occupational performance, clinical safety, therapeutic communication and clinical relationships, professional behavior and boundary-setting, and the self-awareness necessary to be a successful OT practitioner. Students will be required to complete 40 hours of clinical fieldwork and attend 14 hours of on-campus discussion group. This course is graded Credit/No Credit. Note: Fieldwork sites may require completion of a physical examination, immunizations, a TB test, and/or current CPR certification for health personnel (level C). Background checks, fingerprinting, and drug screens may also be required. Proof of automobile insurance may be required if driving is involved. This course may have up to 54 hours scheduled as To Be Arranged (TBA).

OTA 152 Introduction to Clinical Practice in Pediatric Conditions .5 Unit

Prerequisite: See enrollment limitations

Corequisite: OTA 150

Enrollment Limitation: Enrollment in the Occupational Therapy Assistant Program and completion of BIOL 100, OTA 100, FCS 324 or PSYC 370, and AH 110, with grades of "C" or better and a cumulative GPA of 2.5 in these four (4) courses. Completion of ENGRD 110 with a grade of "C" or better or placement in ENGRD 310 through the SCC placement process.

Hours: 27 hours LAB

Through Level I Fieldwork experiences, students will be introduced to clinical practice for individuals with pediatric or developmental conditions that limit or affect engagement in occupation. As participant observers, students will integrate academic experiences with Occupational Therapy (OT) process in settings serving clients with a variety of occupational challenges and degrees of disability. Through interactions with clients and staff, students will develop skills in observation of occupational performance, clinical safety, therapeutic communication and clinical relationships, professional behavior and boundary-setting, and the self-awareness necessary to be a successful OT practitioner. Students will be required to complete 20 hours of clinical fieldwork and attend 7 hours of on-campus discussion group. This course is graded Credit/No Credit. Note: Fieldwork sites may require completion of a physical examination, immunizations, a TB test, and/or current CPR certification for health personnel (level C). Background checks, fingerprinting, and drug screens may also be required. Proof of automobile insurance may be required if driving is involved. This course may have up to 27 hours scheduled as To Be Arranged (TBA).

Photography (PHOTO)

PHOTO 350 Photojournalism 3-4 Units

Prerequisite: PHOTO 310 and 312 with grades of "C" or better; or equivalent.

Course Transferable to CSU

Hours: 36 hours LEC; 108 hours LAB

This course provides instruction in photojournalism and magazine techniques in photography. Students will study features, sports, spot news, and the photo essay styles of journalistic photography. Students may work with digital or traditional cameras. Students will also capture and use audio to complete multimedia projects. A beginning, advanced, or magazine style digital portfolio will be completed. Students wishing to photograph for campus publications (Express Newspaper, Mainline Magazine, etc) will complete the four-unit requirement. The course includes lectures, visual presentations, speakers, a required field trip, and lab time. Students will provide their own adjustable camera and related materials. This course may be taken four times for credit if completing the one of the four different course topics. This course may have up to 144 hours scheduled as To Be Arranged (TBA).

Psychology (PSYC)

PSYC 335 Research Methods in Psychology 3 Units

Prerequisite: PSYC 300 and STAT 300 with grades of "C" or better; or PSYC 300 with a grade of "C" or better and concurrent enrollment in STAT 300.

Advisory: ENGWR 101 and LIBR 318 with grades of "C" or better

General Education: AA/AS Area II(b); CSU Area D9; IGETC Area 4I

Course Transferable to UC/CSU

Hours: 36 hours LEC; 54 hours LAB

This course introduces students to the methods and ethics of doing research in the behavioral sciences, specifically psychology, from a theoretical and practical perspective. The course covers design and implementation issues of both experimental and non-experimental research, descriptive and inferential statistical analysis, hypothesis testing, and the use of APA writing style. The laboratory projects provide opportunities to research various behavioral science topics of the student's interest and experience "hands-on" data collection, data analysis, results interpretation, and report writing. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

Physical Therapist Assistant (PTA)

PTA 122 Introduction to Clinical Practice 3 Units

Prerequisite: PTA 110 and 111 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

Hours: 18 hours LEC; 112 hours LAB

This course provides students with the initial opportunity to observe physical therapy practice and perform selected delegated responsibilities with guidance, direction, and supervision. Students complete 56 hours in each of two different clinical settings. Assignments are determined by the program coordinator and may be in acute, sub-acute, out-patient, skilled nursing and rehabilitation, or other type of physical therapy practice. Seminar hours include orientation to the clinical practice setting, discussion of clinical experiences and clinical practice issues, and self assessment of performance. The course is graded on a Pass/No Pass basis. This course may have up to 130 hours scheduled as To Be Arranged (TBA).

PTA 142 Clinical Practicum I 4 Units

Prerequisite: AH 100, AH 106, and PTA 130 with grades of "C" or better

Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

Hours: 240 hours LAB

This course provides students with the opportunity to perform delegated patient care responsibilities in a physical therapy clinical setting, with supervision. This is the first full-time clinical assignment during the program. Students complete a clinical affiliation of six weeks (40 hours per week) at a facility assigned by the program. The placement may be in an acute, sub-acute, out-patient, skilled nursing and rehabilitation, or other type of physical therapy practice. Additionally, weekly on-line discussion board participation is required. The course is graded on a Pass/No Pass basis. This course may have up to 240 hours scheduled as To Be Arranged (TBA).

PTA 152 Clinical Practicum II 4 Units

Prerequisite: PTA 140, 141, and 142 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

Hours: 240 hours LAB

This course provides students with the opportunity to perform delegated patient care responsibilities in a physical therapy clinical setting, with supervision. This is the second full-time clinical assignment during the program. Students complete a clinical affiliation of six weeks (40 hours per week) at a facility assigned by the program. The placement may be in an acute, sub-acute, out-patient, skilled nursing and rehabilitation, or other type of physical therapy practice. This assignment will be at a facility which differs from the first full-time clinical assignment. Additionally, weekly online discussion board participation is required. The course is graded on a Pass/No Pass basis. This course may have up to 240 hours scheduled as To Be Arranged (TBA).

Theatre Arts (TA)

TA 407 Children's Theatre .5-3 Units

Prerequisite: None
Enrollment Limitation: Audition.
Course Transferable to CSU
Hours: 162 hours LAB

This course is open to students participating in theatrical productions. Students are selected through auditions as actors or technicians and may earn one-half to three units. This course may be taken four times for a maximum of twelve units. This course may have up to 162 hours scheduled as To Be Arranged (TBA).

TA 461 Rehearsal and Performance - Drama .5-3 Units

Prerequisite: None
Enrollment Limitation: Audition.
Course Transferable to UC/CSU
Hours: 162 hours LAB

This course provides a workshop training experience in the preparation and performance of dramatic theatre productions. Actors audition with the director for acting roles. Students interested in technical work interview for backstage positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. This course may be taken four times for a maximum of 12 units. This course may have up to 162 hours scheduled as To Be Arranged (TBA).

TA 464 Rehearsal and Performance - Children's Show .5-3 Units

Prerequisite: None
Enrollment Limitation: Audition.
Course Transferable to CSU
Hours: 162 hours LAB

This course provides a workshop training experience in the preparation and performance of children's theatre productions. Actors audition with the director for acting roles. Students interested in technical work interview for backstage positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. This course may be taken four times for a maximum of 12 units. This course may have up to 162 hours scheduled as To Be Arranged (TBA).

TA 465 Rehearsal and Performance - Musical .5-3 Units

Prerequisite: None
Enrollment Limitation: Audition.
Course Transferable to UC/CSU
Hours: 162 hours LAB

This course provides a workshop training experience in the preparation and performance of musical theatre productions. Actors audition with the director for acting roles. Students interested in technical work interview for backstage positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. This course may be taken four times for a maximum of 12 units. This course may have up to 162 hours scheduled as To Be Arranged (TBA).