

Family and Consumer Sciences (FCS)

Contact the Design and Consumer Education Department for further information.

(760) 744-1150, ext. 2349

Office: P-8A

For transfer information, consult a Palomar College Counselor.

Associate in Science Degrees -

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

- Family and Consumer Sciences - General

Certificates of Achievement -

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

- Family and Consumer Sciences - General

PROGRAM OF STUDY

Family and Consumer Sciences-General

For students desiring to improve their skills as home managers or to enter careers in social services or related fields requiring knowledge of family management skills.

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

A.S. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements		Units
FCS 101	Life Management	3
FCS 105	Family Dynamics	3
FCS/BUS 136	Personal Finance	3
FCS/HE 165	Fundamentals of Nutrition	3
FASH 110	Textiles	3
FASH 135	Introductory Sewing for Apparel	4
ID 100	Interior Design	3
CHDV 100 or PSYC 110	Child Growth and Development Developmental Psychology – Child Through Adult	3
TOTAL UNITS		25

Recommended Electives: It is recommended that candidates for the certificate and transfer students take one or more of the following courses: FCS 197, FASH 100, 105, 136; ID 105, 115; ART 120; CHEM 100; CHDV 145; CE 100; PSYC 100; SOC 100; SPCH 100

Students planning to transfer to San Diego State University should seek counseling from the director of the Family and Consumer Sciences program.

COURSE OFFERINGS

FCS 101 Life Management (3)

3 hours lecture

Transfer acceptability: CSU

Principles of managing human systems through the techniques of goal setting, decision making, communication, and time and energy structuring. Emphasizes problem solving skills transferable to management of education, residence, or work environments.

FCS 105 Family Dynamics (3)

3 hours lecture

Transfer acceptability: CSU

Explores the elements which lead to successful adjustment in family living. Dynamics of love, communication, and sexuality are examined as part of the developmental process of family life.

FCS 110 Microbiology and Foods (3)

2 hours lecture - 3 hours laboratory

Note: Cross listed as MICR 110

Transfer acceptability: CSU

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

FCS 136 Personal Finance (3)

3 hours lecture

Note: Cross listed as BUS 136

Transfer acceptability: CSU

A study of the effective management of personal and family resources. Budgeting, buying of goods and services, banking, credit, taxation, investing, insurance, home ownership, estate planning, and consumer protection.

FCS 150 Food and Culture (3)

3 hours lecture

Transfer acceptability: CSU

Food is an expression of cultural diversity, and traditional foods reflect geographic area and culture. Regional, ethnic, cultural, religious, historical, and social influences on food patterns are explored. Influence of socio-economic class, gender, and age on diet, health, and disease are also discussed.

FCS 165 Fundamentals of Nutrition (3)

3 hours lecture

Note: Cross listed as HE 165

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

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

FCS 170 Nutrition: Eating Disorders and Obesity (3)

3 hours lecture

Transfer acceptability: CSU

Review of etiology, incidence, socio-economic influences, and treatments. Interrelationships of genetics and environment (diet, exercise, and behavior) on weight management. Includes vocational information for working with the obese or eating-disordered.

FCS 185 Science of Human Nutrition (3)

3 hours lecture

Note: Cross listed as BIOL 185

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

Science of food, nutrients, and other substances therein; processes by which the organism ingests, digests, absorbs, transports, utilizes, and excretes food substances. Emphasis on biological, chemical, and physiological implications to human nutrition.

FCS 197 Family and Consumer Sciences Workshop (.5-3)

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

Transfer acceptability: CSU

Materials relative to the field of Family and Consumer Sciences.

Fashion (FASH)

Contact the Design and Consumer Education Department for further information.

(760) 744-1150, ext. 2349

Office: P-8A

For transfer information, consult a Palomar College Counselor.

Associate in Science Degree -

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

- Fashion: Buying and Management
- Fashion Design
- Fashion Merchandising
- Fashion: Visual Merchandising

Certificates of Achievement -

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

- Fashion: Visual Merchandising
- Fashion Merchandising

PROGRAMS OF STUDY

Fashion: Buying and Management

agement position with an emphasis in fashion retailing.

A.S. DEGREE MAJOR

Program Requirements

FASH 100	Fashion Industry	3
FASH 110	Textiles	3
FASH 115	Visual Merchandising I	3
FASH 119	Fashion Buying/Management I	3
FASH 120	Fashion Buying/Management II	3
FASH 175	Analysis, Evaluation, and Comparison of Ready-to-Wear	3
FASH 195	Field Studies in Fashion	2
BUS 145/ FASH 125	Retailing/Promotion	3
CSIT 120	Computer Applications	3

TOTAL UNITS **26**

Fashion Design

Courses required for employment in the fashion industry; specifically in pattern making, sample work, fashion design, and illustration.

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

A.S. DEGREE MAJOR

Program Requirements	Units	
FASH 100	Fashion Industry or Fashion Analysis and Clothing Selection	3
FASH 105	Fashion Analysis and Clothing Selection	3
FASH 110	Textiles	3
FASH 125/ BUS 145	Retailing/Promotion	3
FASH 126	Fashion Show Presentation	3
FASH 136	Advanced Sewing for Apparel	4
FASH 137	Tailoring or Fine Dressmaking	3
FASH 139	Pattern Making/Fashion Design	3
FASH 141	Advanced Pattern Making/Fashion Design	3
FASH 145	Fashion Illustration and Presentation	3
FASH 146	Computer Aided Design (CAD) for Fashion or Digital Design for Fashion	3
FASH 90	Design Collection	3

TOTAL UNITS **34**

Fashion Merchandising

The Fashion Merchandising A.S. degree program provides students with an option for a career or the requisite foundation for transfer to a four-year college or university. Careers might include assistant buyer, assistant department manager, small store owner, visual merchandiser, advertising consultant, fashion coordinator, promotion coordinator, sales associate, or manufacturer's sales representative. Students should be aware that not all Fashion courses are offered every semester. See Class Schedule or Department Chairperson for additional information.

A.S. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units	
FASH 100	Fashion Industry	3
FASH 105	Fashion Analysis/Clothing Selection	3
FASH 110	Textiles	3
FASH 115	Visual Merchandising I	3
FASH 120	Fashion Buying/Management II	3
FASH 125/ BUS 145	Retailing/Promotion	3
FASH 126	Fashion Show Promotion	3
FASH 130	History of Fashion/Costume	3
FASH 148	Digital Design for Fashion	3
FASH 195	Field Studies in Fashion	2

TOTAL UNITS **34 - 35**

Recommended Electives: FASH 116, 132, 155; BUS 155

Fashion: Visual Merchandising

To acquaint the student with basic techniques of effective retail store presentations including window and interior displays. Course activities include constructing and installing visual displays using the principles of design and designing store environments, utilizing fixtures, lighting, and other display materials.

A.S. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units	
FASH 100	Fashion Industry	3
FASH 115	Visual Merchandising I	3
FASH 116	Visual Merchandising II	3
FASH 126	Fashion Show Presentation	3
FASH 125/ BUS 145	Retailing/Promotion	3
CE 150	Cooperative Education Internship	2 - 3
ID 130	Light and Color	3
ID 150/ ARCH 150	Computer Aided Drafting for Designers (CADD)	3
ID 141	Commercial Interior Design	3

Electives (Select one course)		
FASH 105	Fashion Analysis and Clothing Selection	3
FASH 130	History of Fashion/Costume	3
FASH 135	Introductory Sewing for Apparel	4
FASH 195	Field Studies in Fashion	2

TOTAL UNITS **28 - 31**

COURSE OFFERINGS

Courses numbered under 100 are not intended for transfer credit.

FASH 90 Design Collection **(3)**

1½ hours lecture - 4½ hours laboratory

Recommended preparation: At least one of the following courses: FASH 135, 136, 139, 145

Lab course for fashion show line designers in any clothing category of women's, men's, teen's, and children's wear.

- FASH 93 Specification Packets/Technical Design (3)**
1½ hours lecture - 4½ hours laboratory
 Spec and record garment measurements. Draw specification flats manually and digitally using Adobe Illustrator.
- FASH 100 Fashion Industry (3)**
3 hours lecture
Transfer acceptability: CSU
 A study of the background and technology of the clothing industry. Includes contemporary problems of production and distribution; emphasis is on career options in the fashion industry.
- FASH 105 Fashion Analysis and Clothing Selection (3)**
3 hours lecture
Transfer acceptability: CSU
 Examines fashion for professional and personal need as it relates to culture, wardrobe planning, and coordination.
- FASH 106 Elementary Stage Costume (3)**
2 hours lecture - 4 hours laboratory
Note: Cross listed as TA 106
Prerequisite: A minimum grade of 'C' in ENTT/TA 105
Transfer acceptability: CSU; UC
 C-ID FASH 174
 Basic theories, techniques, and procedures of costume production for stage, film, and television. Practical training in college productions.
- FASH 109 Elementary Stage Make-Up (3)**
2 hours lecture - 4 hours laboratory
Prerequisite: A minimum grade of 'C' in ENTT/TA 105
Note: Cross listed as TA 109
Transfer acceptability: CSU; UC
 C-ID FASH 175
 Basic theories, techniques, and procedures of make-up production for stage, film, and television. Practical training in college productions.
- FASH 110 Textiles (3)**
2½ hours lecture - 1½ hours laboratory
Transfer acceptability: CSU
 Fibers, yarn, fabric construction, and finishes as related to selection, use, and care of textiles.
- FASH 115 Visual Merchandising I (3)**
3 hours lecture
Transfer acceptability: CSU
 Designed to acquaint the student with basic techniques of effective retail store presentations including window and interior displays. Course activities include constructing and installing visual displays using the principles of design and designing store environments, utilizing fixtures, lighting, and other display materials.
- FASH 116 Visual Merchandising II (3)**
3 hours lecture
Prerequisite: A minimum grade of 'C' in FASH 115
Transfer acceptability: CSU
 Advanced training in visual presentation. Students benefit by practical application and collaboration with industry professionals. Course activities include a leadership role in construction and installing of interior and exterior window displays, store layout, special event coordination, and store planning.
- FASH 119 Fashion Buying/Management I (3)**
3 hours lecture
Transfer acceptability: CSU
 A study of management opportunities within the field of fashion retailing, at both the corporate and store level, with an emphasis on the role of store department management. The role and responsibilities of each management position will be fully explored, including fiscal responsibilities of each and the math skills necessary to accomplish goals. Topics covered include basic management skills, inventory control, labor laws governing the fashion retail industry, recruitment and interviewing, employee relations, including coaching and counseling, math skills pertinent to each position, and merchandise management and control.
- FASH 120 Fashion Buying/Management II (3)**
3 hours lecture
Transfer acceptability: CSU
 Principles of fashion buying utilizing practical applications and case studies. Topics covered include merchandise planning and selection, resource relations, legal trade regulations, pricing, and merchandise management and control.
- FASH 125 Retailing/Promotion (3)**
3 hours lecture
Note: Cross listed as BUS 145
Transfer acceptability: CSU
 Principles and techniques of retailing, promotion, and advertising pertinent to retail policies and procedures. Includes psychological aspect of retailing. Working foundation for those looking forward to employment in this area.
- FASH 126 Fashion Show Presentation (3)**
3 hour lecture
Transfer acceptability: CSU
 Applied study and practical application of fashion show and special event production and promotional skills. Strategies and techniques studied include organizing, advertising, staging, timing, and coordinating models and their clothing and accessories. Produce the Fashion Merchandising/Fashion Design program's annual fashion show.
- FASH 130 History of Fashion/Costume (3)**
3 hours lecture
Transfer acceptability: CSU
 Styles of dress from the Paleolithic period to the present as depicted in art forms and other media. Focuses on Western European costume.
- FASH 131 Elementary Stage Costume and Make Up (3)**
2 hours lecture - 3 hours laboratory
Note: Cross listed as TA 131
Transfer acceptability: CSU
 Basic theories, techniques, and procedures of costume production and make-up application for stage, film, and television. Practical training in college productions.
- FASH 132 Costume and Culture (3)**
3 hours lecture
Transfer acceptability: CSU; UC
 Patterns of dress and human adornment of three cultures: African, Asian/Pacific Islanders and the Americas. Socio-cultural developments in dress. Clothing images and meaning in a contemporary multicultural American society.
- FASH 135 Introductory Sewing for Apparel (4)**
2 hours lecture - 6 hours laboratory
Transfer acceptability: CSU
 Produce basic garments in a sample-room setting using introductory sewing techniques.
- FASH 136 Advanced Sewing for Apparel (4)**
2 hours lecture - 6 hours laboratory
Prerequisite: A minimum grade of 'C' in FASH 135
Transfer acceptability: CSU
 Advanced sewing for apparel emphasizing machine technique and workroom procedures. Preparation will be given for employment in sample making for apparel manufacturing.
- FASH 137 Tailored Apparel Sewing (3)**
1½ hours lecture - 4½ hours laboratory
Recommended preparation: FASH 136
Transfer acceptability: CSU
 Demonstration of advanced level sewing construction utilizing hand and machine techniques for tailoring. Projects include planning and construction of suits and coats.

- FASH 139 Pattern Making/Fashion Design** (3)
1½ hours lecture - 4½ hours laboratory
Corequisite: FASH 167
Recommended preparation: FASH 135
Transfer acceptability: CSU
 Pattern making through the flat pattern design method. Attention is given to design analysis and interpretation of design; application of design method in the development, presentation, and construction of original garments.
- FASH 141 Advanced Pattern Making/Fashion Design** (3)
1½ hours lecture - 4½ hours laboratory
Prerequisite: A minimum grade of 'C' in FASH 139
Corequisite: FASH 167
Recommended preparation: FASH 135
Transfer acceptability: CSU
 Advanced design skills for the fashion industry. Examination of one method of pattern development: draping. Creation of patterns to drape and fit on a dress-maker's form.
- FASH 145 Fashion Illustration and Presentation** (3)
1½ hours lecture - 4½ hours laboratory
Transfer acceptability: CSU
 Fundamentals in drawing of fashion figures and in illustration of fashion garments. Development of individual skills and style in graphic presentation.
- FASH 146 Computer Aided Design (CAD) for Fashion** (3)
1½ hours lecture - 4½ hours laboratory
Corequisite: FASH 168
Transfer acceptability: CSU
 An introduction to computer aided pattern making for fashion using CAD technology. Hands-on experience with CAD technology to include the following operations: preparing and editing patterns; storage and retrieval of patterns, production of fashion industry patterns.
- FASH 147 Advanced Computer Aided Design (CAD) for Fashion** (3)
1½ hours lecture - 4½ hours laboratory
Prerequisite: A minimum grade of 'C' in FASH 146
Corequisite: FASH 168
Transfer acceptability: CSU
 Advanced theory and hands-on operation of CAD systems for fashion pattern making including pattern making blocks, grading, and marker making. Emphasis is placed on productivity and manufacturability for the fashion design industry.
- FASH 148 Digital Design for Fashion** (3)
1½ hours lecture - 4½ hours laboratory
Transfer acceptability: CSU
 Design and illustrate fashion sketches, storyboards, and patterns using Adobe Illustrator and Adobe Photoshop. Development of individual skills and style in graphic presentations.
- FASH 149 Fine Dressmaking** (3)
1½ hours lecture - 4½ hours laboratory
Prerequisite: A minimum grade of 'C' in FASH 136
Corequisite: FASH 165
Transfer acceptability: CSU
 A study of techniques used to develop fine dressmaking skills including construction used in high-end ready to wear and couture fashions.
- FASH 155 World of Fashion** (2,3)
1, 2, or 3 hours lecture - 1½, 2, 3, or 4½ laboratory
Note: Fee charged
Transfer acceptability: CSU
 Extended field studies in textiles, design, manufacturing, forecasting, and retail practices as they apply to the national and international fashion industry. Emphasis upon field observation and examination of the fashion trends as they interrelate with the social, political, psychological, economic, and historical influences to create the fashion ambience. Geographical locations may vary.
- FASH 165 Sewing Laboratory** (1)
3 hours laboratory
Note: Pass/No Pass grading only
Transfer acceptability: CSU
 Enhancement of sewing skills by supervised practice and active participatory experience in individual study. Content to be determined by the need of the student in agreement and under observation and direction of the instructor.
- FASH 166 Tailoring Laboratory** (.5)
1½ hours laboratory
Transfer acceptability: CSU
 Enhancement of tailoring skills by supervised practice and active participatory experience in individual study. Content to be determined by the need of the student in agreement and under observation and direction of the instructor.
- FASH 167 Pattern-Making Laboratory** (.5)
1½ hours laboratory
Corequisite: FASH 139 or 141
Transfer acceptability: CSU
 Enhancement of pattern-making skills by supervised practice and active participatory experience in individual study. The specific content to be determined by the need of the student in agreement and under observation and direction of the instructor.
- FASH 168 CAD Laboratory** (.5)
1½ hours laboratory
Corequisite: FASH 146 or 147
Transfer acceptability: CSU
 Enhancement of CAD (Digital Design for Fashion) skills by supervised practice and active participatory experience in individual study. Specific content to be determined by the need of the student in agreement and under observation and direction of the instructor.
- FASH 170 Introduction to Fabric Design/Painting** (3)
1½ hours lecture - 4½ hours laboratory
Transfer acceptability: CSU
 Traditional and contemporary methods in the application of fabric dyes and paints using fundamental design principles for textiles and clothing.
- FASH 175 Analysis, Evaluation, and Comparison of Ready-to-Wear** (3)
3 hours lecture
Transfer acceptability: CSU
 Analysis of the quality of materials, design, and construction in ready-to-wear garments and accessories; comparison of processes involved in manufacturing; concepts of sizing; principles of fit; and aids in buying and selling.
- FASH 178 Fashion Career Portfolio** (2)
2 hours lecture
Transfer acceptability: CSU
 Creation of a professional portfolio for careers in the fashion industry.
- FASH 195 Field Studies in Fashion** (2)
1 hour lecture - 3 hours laboratory
Transfer acceptability: CSU
 Fashion industry on site: process of designing, manufacturing, marketing, and merchandising of fashion apparel and related accessories.
- FASH 197A Fashion Merchandising Workshop** (5-3)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.
Transfer acceptability: CSU
 Covers areas of the fashion merchandising industry which are rapidly changing or require current short term specific training.

FASH 197B Fashion Manufacturing Workshop (.5-3)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.

Transfer acceptability: CSU

Covers areas of the fashion manufacturing industry which are rapidly changing or require current short term specific training.

FASH 197C Fashion Design Workshop (.5-3)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.

Transfer acceptability: CSU

Covers areas of the fashion design industry which are rapidly changing or require current short term specific training.

FASH 295 Directed Study in Fashion (1, 2, 3)
3, 6, or 9 hours laboratory

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

Transfer acceptability: CSU

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

Fire Technology (FIRE)

Contact Public Safety Programs for further information.

(760) 744-1150, ext. 1704

Office: PSTC, 182 Santar Place, San Marcos

Associate in Science Degrees -

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

- Fire Technology - Emergency Management
- Fire Technology - General

Certificates of Achievement -

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

- Fire Technology - Emergency Management
- Fire Technology - General

PROGRAMS OF STUDY

Fire Academy

Training to meet the requirements mandated by the California Office of State Fire Marshal for Certified Fire Fighter I. Covers fire ground procedures, tactics, strategy, safety methods, fire dynamics, equipment usage and deployment, and subject material pertaining to the role of fire fighters within the fire service.

Prepares students for a career in the fire suppression/protection field. The student also receives additional certifications from the California State Fire Marshall's Office.

CERTIFICATE OF ACHIEVEMENT

Program Requirements

EME 100/HE 104	Emergency Medical Responder	3
EME 106	Emergency Medical Technician (Lecture)	6
EME 106L	Emergency Medical Technician Skills (Laboratory)	1.5
FIRE 151	Fire Fighter I Academy	20

TOTAL UNITS 30.5

Fire Technology - Emergency Management

Prepares student for career in Emergency Management.

A.S. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements		Units
FIRE 100	Fire Protection Organization	3
FIRE 115	Hazardous Materials I	3
FIRE 120	Building Construction for Fire Protection	3
FIRE 131	Emergency Preparedness	3
FIRE 132	Fundamentals of Emergency Management	3
FIRE 133	Disaster Mitigation	3

Electives (Select 12 units)

FIRE 51	Fire Academy Preparation	2
FIRE 71	Trench Rescue	0.5
FIRE 72	Swiftwater Rescue	0.5
FIRE 98	Fire Service Skills	0.5 - 5
FIRE 101	Firefighter Safety	3
FIRE 118	Fire Prevention Technology	3
FIRE 125	Fire Apparatus and Equipment	3
FIRE 130	Fire Protection Equipment and Systems	3
FIRE 142	Fire Ethics	3
FIRE 145	Fire Fighting Tactics and Strategy	3
FIRE 151	Fire Fighter I Academy	20
FIRE 152	Driver Operator Academy	4.5
FIRE 160	Wildland Fire Control I	3
FIRE 165	Fundamentals of Fire Protection Chemistry	3
FIRE 168	Volunteer Fire Fighter Academy	4
FIRE 175	Fire Command IA	2.5
FIRE 180	Fire Prevention IA	2.5
FIRE 176	Fire Command IB	2.5
FIRE 181	Fire Prevention IB	2.5
FIRE 185	Fire Management I	2.5
FIRE 190	Fire Investigation IA	2.5
FIRE 193	Fire Instructor IA	2.5
FIRE 194	Fire Instructor IB	2.5
FIRE 197A	Fire Technology General Topics	0.5 - 5
FIRE 197B	Fire Technology Command Topics	0.5 - 5
FIRE 197C	Fire Technology Field Topics	0.5 - 5

TOTAL UNITS 30

Fire Technology - General

Prepares students for a career in fire suppression, fire prevention and/or fire protection.

A.S. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements		Units
FIRE 100	Fire Protection Organization	3
FIRE 101	Firefighter Safety	3
FIRE 118	Fire Prevention Technology	3
FIRE 120	Building Construction for Fire Protection	3
FIRE 130	Fire Protection Equipment and Systems	3
FIRE 165	Fundamentals of Fire Protection Chemistry	3

Elective Courses (Select 15 units)

FIRE 51	Fire Academy Preparation	2
FIRE 71	Trench Rescue	.5
FIRE 72	Swiftwater Rescue	.5
FIRE 98	Fire Service Skills	.5-5
FIRE 115	Hazardous Materials I	3
FIRE 125	Fire Apparatus and Equipment	3
FIRE 131	Emergency Preparedness	3
FIRE 132	Fundamentals of Emergency Management	3
FIRE 133	Disaster Mitigation	3