

Electives (Select 3 units)

PWM 56	Parks and Landscape Management	3
BMGT 101	Introduction to Management	3
BUS 125	Business English	3
BUS 138	Business Ethics	2
BUS 187	Project for Business	1
SPCH 115	Interpersonal Communication	3

TOTAL UNITS 19

Public Works Management - Level II

Specifically designed for individuals employed by or seeking employment in public works organizations in San Diego County. Introduces management and administrative concepts to field staff. Classes are designed to prepare Lead Workers for front line supervisory positions in the Public Works field. This is a cooperative program offered by Citrus, Palomar and Santiago Canyon Colleges in collaboration with and approved by the Maintenance Superintendents Association and American Public Works Association.

**A.A. DEGREE MAJOR OR
CERTIFICATE OF ACHIEVEMENT**

Program Requirements		Units
PWM 50	Introduction to Public Works	3
PWM 51	Street Construction and Maintenance	3
PWM 52	Asphalt and Portland Cement	3
PWM 53	Public Works Inspection	3
PWM 55	Public Works Administration	3
PWM 57	Plan Interpretation and Cost Estimating	3
PWM/WTE/ VWT 60	Supervision	3
CSIT 120	Computer Applications	3

Electives (Select 2 courses)

PWM 56	Parks and Landscape Management	3
BMGT 101	Introduction to Management	3
BUS 125	Business English	3
BUS 138	Business Ethics	2
BUS 187	Project for Business	1
MATH 56 or MATH 60	Beginning/Intermediate Algebra	6
SPCH 115	Intermediate Algebra	4
SPCH 115	Interpersonal Communication	3

TOTAL UNITS 27 - 33

COURSE OFFERINGS

Courses numbered under 100 are not intended for transfer credit.

PWM 50 Introduction to Public Works (3)
3 hours lecture

Designed by the American Public Works and Maintenance Superintendents Associations in order to prepare public works and maintenance workers for lead and supervisory positions. Students will receive an introduction to techniques, materials and equipment used in public works, maintenance and repair projects.

PWM 51 Street Construction and Maintenance (3)
3 hours lecture

Recommended preparation: MATH 15

Provides instruction on street construction and maintenance; including materials and methods, specifications, records and cost accounting systems, revenue sources and budget preparation. Other subjects include safety, drainage, equipment records and specifications, as well as public relations. Codes and industry standards that pertain to improvements and repair will be reviewed.

PWM 52 Asphalt and Portland Cement (3)
3 hours lecture

Recommended preparation: MATH 15

Provides instruction on the recommended procedures, practices, and testing criteria used by the Asphalt Institute highlighting local city and county asphalt requirements. Content includes specifications for roads, runway floors, and hydraulic structures and Portland Cement concrete design and uses. Includes transporting, placing, curing, and testing concrete as well as application and construction methods employed.

PWM 53 Public Works Inspection (3)
3 hours lecture

Recommended preparation: MATH 15

Provides an overview of the inspector's role and responsibilities as it relates to a project. The student will be given the necessary information and training necessary for entry level inspection responsibilities. The course will apply to construction of municipal infrastructure and civil engineering type projects.

PWM 55 Public Works Administration (3)
3 hours lecture

Provides an introduction to the organizational concepts used by the Public Works Department. Content includes typical organization, management concepts, political considerations, planning, financial management and public relations.

PWM 56 Parks and Landscape Management (3)
2½ hours lecture - 1½ hours laboratory

A survey of parks and landscape maintenance techniques. The class will study fundamental principles of park administration, landscape management, design, maintenance and operations. The course will focus on public parks, landscape administration principles to include: turf, tree and ornamental care, equipment, pesticide use and introduction to irrigation system selection, installation and maintenance, trail systems, recreation accommodations and park systems.

PWM 57 Plan Interpretation and Cost Estimating (3)
3 hours lecture

Recommended preparation: MATH 15

Provides a basic introduction into reading and interpreting construction plans related to public works and street improvement projects. Will provide the student with the fundamental understanding of how construction plans relate to actual construction and how to use the plans to determine the quantity of materials needed to complete the work proposed on the plans and to estimate a cost for the completion of the work.

PWM 60 Supervision (3)
3 hours lecture

Note: Cross listed as WTE 60/VWT 60

Supervisory aspects of public agencies including organization, decision making, coordination, communication, and public relations. Personnel supervision including coaching, training, evaluation, discipline, team building, morale, and grievances. Safety programs and encouraging safe conditions, actions and attitudes.

Radio and Television (RTV)**See also Communications**

Contact the Media Studies Department for further information.
(760) 744-1150, ext. 2440
Office: U-12

Associate in Arts Degrees -

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

- Digital Video
- Radio and Television

Certificates of Achievement -

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

- Digital Video
- Entertainment Technology
- Radio and Television

Certificates of Proficiency -

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

- Broadcast Journalism
- Digital Media

PROGRAMS OF STUDY**Broadcast Journalism**

Provides a background in print journalism and broadcast journalism: practical experience in gathering, writing, editing and producing news. This certificate prepares students for employment in the television news industry.

CERTIFICATE OF PROFICIENCY

Program Requirements		Units
JOUR 101	News Writing and Reporting	3
JOUR 105	Newspaper Production	3
RTV/ENTT 120	Digital Television Production	3
RTV 240	Television News	4
RTV 245	Advanced TV News	3
TOTAL UNITS		16

The Broadcast Journalism Certificate of Proficiency is also listed under Journalism.

Digital Media

Digital Media encompasses digital video editing in both analog and digital media. The certificate prepares students for employment in the film, video, Internet, and television industries. Major growth in this industry is anticipated as Internet and television merge into one medium.

CERTIFICATE OF PROFICIENCY

Program Requirements		Units
CINE/RTV 125	Beg Film/Video Field Production	3
GCMW 204	Motion Graphics for Multimedia	4
GCMW 205	Digital Video for Multimedia	4
RTV 270	Computer Video Editing	3
RTV 275	Avid Editing for Television & Film	3
TOTAL UNITS		17

Digital Media Certificate of Proficiency is also listed under Graphic Communications - Multimedia and Web.

Digital Video

Digital Video encompasses editing and design in using both digital and analog media. This degree prepares students for employment in the film, video, Internet, and television industries.

**A.A. DEGREE MAJOR OR
CERTIFICATE OF ACHIEVEMENT**

Program Requirements		Units
GCIP 140	Digital Imaging/PhotoShop I	4
GCMW 165	Digital Video Design	4
GCMW 204	Motion Graphics for Multimedia	4
GCMW 205	Digital Video for Multimedia	4
RTV/CINE 125	Beg Film/Video Field Production	3
RTV 230	Digital Audio with Pro Tools	3
RTV 270	Digital Video Editing	3
RTV 275	Avid Editing for Television and Film	3

Electives (2 courses required, 6 units minimum)

		Units
ARTI 246	Digital 3D Design and Modeling	3
ARTI 247	Digital 3D Design and Animation	3
DT 180	3D Studio Max-Intro to 3D Modeling/Animation	3
GCIP 152	Digital Publishing/Illustrator I	4
GCIP 240	Digital Imaging/PhotoShop III	4

GCMW 101	Multimedia I	4
GCMW 201	Multimedia II	4
GCMW 203	Web Multimedia	4
GCMW 108	Web Motion Graphics I	4
GCMW 208	Web Motion Graphics II	4
RTV 50	Basic Television Acting	1
RTV 110	Broadcast Writing and Producing	3
RTV/ENTT 120	Digital Television Production	3
RTV 150	Performance and Acting for Broadcast and Film	3
RTV/CINE 170	Introduction to Video Editing	3
RTV/CINE 225	Intermediate Film and Video Field Production	3
TOTAL UNITS		34

Digital Video A.A. Degree Major or Certificate of Achievement is also listed under Graphic Communications - Multimedia and Web.

Entertainment Technology

This program will prepare students for employment in the fields of entertainment technologies at entry level. The areas of potential employment include theme parks, casinos, cruise ships, concerts, gallery display and design, event installations, live event technical support, and theatre venues providing non-theatre related events. Basic rigging and production safety will be a component of this program.

CERTIFICATE OF ACHIEVEMENT

Program Requirements		Units
CSNT 110	Hardware and O.S. Fundamentals	3
ENTT 100	Introduction to Entertainment Technology	1
ENTT/RTV 103	Introduction to Audio-Visual Systems	3
ENTT/TA 105	Introduction to Technical Theatre	2.5
ENTT/TA 107	Lighting for Stage and Television	3
ENTT/TA 112	Entertainment Audio Production	3
ENTT/RTV 130	Radio Production	3
TA 197D	Stage Crew Workshop	2
TA 297 or	Experimental Topics in Theatre	
ENTT/RTV 294B	Television Internships/Production	1

Electives (Select 11 units)

ENTT/RTV 294B	Television Internships/Production	1, 2, 3
FASH 126	Fashion Show Presentation	1
FASH 135	Basic Sewing Construction	3
FASH 139	Pattern Making/Fashion Design	3
RTV 100	Introduction to Radio/TV	3
RTV/ENTT 120	Digital Television Production	3
RTV 230	Digital Audio with Pro Tools	3
TA 106	Elementary Stage Costume	3
TA/ENTT 108	Stagecraft and Scene Design for Theatre and TV	3
TA 109	Elementary Stage Make-Up	3
TA 111	Technical Theatre Production	.5
TA 170	Computer Aided Drafting for Theatre	2
TA 297	Experimental Topics in Theatre	1-3
WELD 100	Welding I	3
TOTAL UNITS		32.5

Entertainment Technology Certificate of Achievement also listed in Entertainment Technology and in Theatre Arts.

Radio and Television

Provides entry-level skills in the field of digital radio and television broadcasting.

**A.A. DEGREE MAJOR OR
CERTIFICATE OF ACHIEVEMENT**

Program Requirements		Units
BUS 150	Advertising	3
CINE/RTV 125	Beg Film/Video Field Production	3
CINE/RTV 225	Intermediate Film/Video Field Production	3

ENTT/TA 107	Lighting for Stage and Television	3
ENTT/		
RTV 294B or	Television Internship/Production	
RTV 294A	Radio Programming Projects	1
ENTT/RTV 120	Digital Television Production	3
ENTT/RTV 130	Radio Production	3
RTV 100	Introduction to Radio and TV	3
RTV 110	Broadcast Writing and Producing	3
RTV 220 or	TV Production and Direction	
RTV 230*	Digital Audio with Pro Tools	3
RTV 240	Television News	4

Electives (Select 6 units, maximum 6 units from RTV 194A, 194B, 294A, and 294B)

RTV 100L	Introduction to Radio and Television Lab.	1
RTV/ENTT 103	Introduction to Audio-Visual Systems	3
RTV/CINE 115	Creative Writing for TV/Cinema	3
RTV 135	Beginning Radio Station Operations	1, 2, 3
RTV 136	Advanced Radio Station Operations	1, 2, 3
RTV 140	Radio News	3
RTV 150	Performance/Acting for Broadcast/Film	3
RTV/CINE 170	Introduction to Video Editing	3
RTV 180	Sports Broadcasting	3
RTV 194A	Radio Operations	1, 2, 3
RTV 194B	Exp Topics/TV Operations	1, 2, 3
RTV 230	Digital Audio with Pro Tools	3
RTV 245	Advanced TV News	3
RTV 270	Digital Video Editing	3
RTV 275	Avid Editing for Television and Film	3
RTV 294A	Radio Programming Projects	1, 2, 3
RTV/ENTT 294B	Television Internships/Production	1, 2, 3
TA/ENTT 108	Stagecraft and Scene Design for Theatre and Television	3

TOTAL UNITS 38

* Students who are not planning to transfer to a four-year university and who have a radio emphasis may substitute RTV 230 for RTV 220.

COURSE OFFERINGS

Courses numbered under 100 are not intended for transfer credit.

RTV 50 Basic Television Acting (1)
3 hours laboratory
Note: May be taken 3 times
 Practice and performance in the basics of television acting. Special emphasis on movement for the camera, emotion, gestures, voice, techniques to copy interpretation, audition processes, agent and industry information. Prepares the actor for basic television acting through a variety of on-camera exercises and final productions.

RTV 100 Introduction to Radio and TV (3)
3 hours lecture
Transfer acceptability: CSU
 A survey of American broadcasting, its development, impact and influence on our society; basic principles, mass communication theory, station operation programming, advertising, rating services, cable television, regulation, and censorship; in depth analysis of current issues and developments.

RTV 100L Introduction to Radio and Television Laboratory (1)
3 hours laboratory
Transfer acceptability: CSU
 Practice in use of radio and television studio equipment. Designed for students who are not Radio Television majors.

RTV 103 Introduction to Audio-Visual Systems (3)
1½ hours lecture - 4½ hours laboratory

Note: Cross listed as ENTT 103

Transfer acceptability: CSU

Provides a theoretical and practical foundation in temporary and permanent video and audio systems technology for entertainment applications such as theatre, corporate events, hotel/ballroom A/V work, theme parks, museums and other related applications.

RTV 110 Broadcast Writing and Producing (3)
1½ hours lecture - 4½ hours laboratory

Transfer acceptability: CSU

Creating and developing ideas and materials for broadcast. Problems of timing, pacing, visualization, and expression. Techniques of scripting for radio and television.

RTV 115 Creative Writing for Television and Cinema (3)
3 hours lecture

Note: Cross listed as CINE 115

Transfer acceptability: CSU

Instruction and practice in the art of dramatic script writing. Emphasis is placed on the development of the initial story idea into a viable, professional shooting script for television or film.

RTV 120 Digital Television Production (3)
1½ hours lecture - 4½ hours laboratory

Note: Cross listed as ENTT 120

Transfer acceptability: CSU

The terminology, practices, and aesthetic considerations of visual and sound productions. Principles of producing, staging, shot composition, directing, blocking, graphics, studio techniques, and lighting, for television.

RTV 125 Beginning Film and Video Field Production (3)
1½ hours lecture - 4½ hours laboratory

Note: Cross listed as CINE 125

Transfer acceptability: CSU; UC – CINE/RTV 125 and 225 combined: maximum credit, one course

A study of the basic techniques of field production using Super 8 or 16mm film or analog or digital video equipment as applied to various cinematic forms. The student will work with a team on a project through the preproduction, shooting, and postproduction phases of narrative storytelling for the screen.

RTV 130 Radio Production (3)
1½ hours lecture - 4½ hours laboratory

Note: Cross listed as ENTT 130; may not be taken for Pass/No Pass grading

Transfer acceptability: CSU

Techniques and theories of audio production in the preparation of radio programs. Use of audio mixing and recording equipment, editing and dubbing, microphone techniques and program construction. A program produced by the student will be broadcast on radio station KKSM.

RTV 135 Beginning Radio Station Operations (1, 2, 3)
3, 6, or 9 hours laboratory

Prerequisite: A minimum grade of 'C' in RTV/ENTT 130

Corequisite: RTV 294A

Note: May be taken 4 times

Transfer acceptability: CSU

Introduction to radio station operations and audio production skills along with practical exercises using broadcast equipment and techniques.

RTV 136 Advanced Radio Station Operations (1, 2, 3)
3, 6, or 9 hours laboratory

Prerequisite: A minimum grade of 'C' in RTV/ENTT 130

Corequisite: RTV 294A

Note: May be taken 4 times

Transfer acceptability: CSU

Advanced radio and audio production skills along with practical exercises using broadcast equipment and techniques. Special emphasis in broadcast management training.

RTV 140 Radio News (3)

1½ hours lecture - 4½ hours laboratory

Note: May not be taken for Pass/No Pass grading**Transfer acceptability:** CSU

Introduction to the principles of radio news writing, rewriting, editing, gathering (by audio recording and news wire services), and announcing. Student will incorporate learning into the production of radio newscasts for radio station KKSM.

RTV 150 Performance and Acting for Broadcast and Film (3)

1½ hours lecture - 4½ hours laboratory

Transfer acceptability: CSU

Techniques of preparation and delivery of materials before microphone and camera.

RTV 170 Introduction to Video Editing (3)

1½ hours lecture - 4½ hours laboratory

Note: Cross listed as CINE 170; may not be taken for Pass/No Pass grading**Transfer acceptability:** CSU

Covers the technical and theoretical aspects of film and video editing. Provides an introduction to the basic techniques, elements of editing language, the various technical processes used, introduction to Final Cut Pro software, as well as the related skills necessary for editing digital media.

RTV 180 Sports Broadcasting (3)

1½ hours lecture - 4½ hours laboratory

Note: May not be taken for Pass/No Pass grading; may be taken 4 times**Transfer acceptability:** CSU

Sports broadcasting: anchoring, reporting, play-by-play, and color announcing techniques.

RTV 194A Radio Operations (1, 2, 3)

3, 6, or 9 hours laboratory

Prerequisite: A minimum grade of 'C' in RTV/ENTT 130**Note:** Pass/No Pass grading only; may be taken 4 times**Transfer acceptability:** CSU

Advanced research projects designed to meet the specific needs of student's interest in radio station operations. Projects may be chosen for production by the College or by the individual student.

RTV 194B Experimental Topics Television Operations (1, 2, 3)

3, 6, or 9 hours laboratory

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

Individual television projects, including operations of television equipment in college produced television programs or individual productions.

RTV 197 Radio and Television Topics (.5 - 4)

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

Note: May not be taken for Pass/No Pass grading; may be taken 4 times**Transfer acceptability:** CSU

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

RTV 220 Television Production and Direction (3)

1½ hours lecture - 4½ hours laboratory

Prerequisite: A minimum grade of 'C' in RTV 110 and RTV/ENTT 120**Transfer acceptability:** CSU

Techniques and theories of television production and direction. Practice in pre production planning, staging, studio production, and editing. Duties and responsibilities of director and production crew. Production of fully scripted television programs for airing on cable and broadcast stations.

RTV 225 Intermediate Film and Video Field Production (3)

1½ hours lecture - 4½ hours laboratory

Prerequisite: A minimum grade of 'C' in CINE/RTV 125; and a minimum grade of 'C' in RTV 110, or concurrent enrollment in RTV 110**Note:** Cross listed as CINE 225

Transfer acceptability: CSU; UC – CINE/RTV 125 and 225 combined: maximum credit, one course

Principles, techniques, and theory of field production using digital or analog video or 16mm film equipment. Theory and practice of off line linear or nonlinear editing.

RTV 230 Digital Audio with Pro Tools (3)

1½ hours lecture - 4½ hours laboratory

Prerequisite: A minimum grade of 'C' in RTV/ENTT 130**Transfer acceptability:** CSU

Principles and techniques of editing radio, television, and film audio projects using Pro Tools software and technology. Digitizing audio source material, working knowledge of Pro Tools interface, use of multi-track audio editing system, mic and recording techniques.

RTV 240 Television News (4)

2 hours lecture - 6 hours laboratory

Prerequisite: A minimum grade of 'C' in RTV/ENTT 120**Recommended preparation:** RTV 110**Note:** May be taken 4 times**Transfer acceptability:** CSU

Principles of scripting, gathering, and editing of television news. Production of newscasts for airing on cable television.

RTV 245 Advanced TV News (3)

1½ hours lecture - 4½ hours laboratory

Recommended preparation: RTV 240**Note:** May not be taken for Pass/No Pass grading; may be taken 4 times**Transfer acceptability:** CSU

Advanced principles and application of techniques and theory of local TV News reporting, news gathering, producing, and editing an ongoing TV News program. Production of newscasts for airing on cable television.

RTV 270 Digital Video Editing (3)

1½ hours lecture - 4½ hours laboratory

Prerequisite: A minimum grade of 'C' in RTV 170**Note:** May not be taken for Pass/No Pass grading.**Transfer acceptability:** CSU

Principles and techniques of digital non-linear video editing for broadcast TV and Film. Overview of Final Cut Pro software program. Application of operational and aesthetic editing principles.

RTV 275 Avid Editing for Television and Film (3)

1½ hours lecture - 4½ hours laboratory

Prerequisite: A minimum grade of 'C' in RTV 270**Note:** May not be taken for Pass/No Pass grading**Transfer acceptability:** CSU

Principles and techniques of editing video and film projects using Avid technology. Digitizing source material, storyboarding, timeline, audio editing, importing and exporting graphics, outputting, and media management.

RTV 294A Radio Programming Projects (1, 2, 3)

3, 6, or 9 hours laboratory

Prerequisite: A minimum grade of 'C' in RTV/ENTT 130**Note:** Pass/No Pass grading only; may be taken 4 times**Transfer acceptability:** CSU

Advanced radio projects to meet the specific needs of the student's interest in radio programming. Work on college produced broadcast productions.

RTV 294B Television Internships/Production (1, 2, 3)

3, 6, or 9 hours laboratory

Note: Cross listed as ENT 294B; may be taken 4 times**Transfer acceptability:** CSU

Work on advanced television production including individual research, work on college produced programs, or internships at local broadcast stations, cable companies, and other communications facilities.