

# Curriculum and Requirements for Majors and Certificates

## NUMERICAL CONTROL MACHINE OPERATOR

ENGT 116	Blueprint Reading	2
MTT 50	CNC Shop Math	3
MTT 52	Setup and Operation of CNC Milling Machines	2.5
MTT 56	CNC Shop Inspection	2
MTT 57	Setup and Operation of CNC Lathes	2.5
MTT 62	Fixture Tooling	2
MTT 68	Computer Assisted Inspection Using Verisurf	2
MTT 91L	CNC Mill Machining Laboratory	1
MTT 95L	CNC Lathe Machining Laboratory	1
MTT 100	Machine Tool Introduction	2
MTT 170	Computer Numerical Control Programming	2
MTT 180	Robotics for Computer Numerically Controlled Machines	3

TOTAL UNITS 25

## TOOL AND DIE MAKER

ENGT 116	Blueprint Reading	2
ENGT 117	Geometrical Dimensioning and Tolerancing	2
MTT 50	CNC Shop Math	3
MTT 52	Setup and Operation of CNC Milling Machines	2.5
MTT 56	CNC Shop Inspection	2
MTT 57	Setup and Operation of CNC Lathes	2.5
MTT 60	Advanced Machine Tool Concepts	2
MTT 62	Fixture Tooling	2
MTT 68	Computer Assisted Inspection Using Verisurf	2
MTT 94L	Manual Machining Laboratory	1
MTT 100	Machine Tool Introduction	2
PMT 100	Plastics Technology	2.5
WELD 100	Welding Fundamentals	2.5

TOTAL UNITS 28

## ASSOCIATE IN ARTS DEGREE REQUIREMENTS

Complete 60 units to include (1) the above requirements for a Certificate of Achievement; (2) MTT 71 and MTT 92L or MTT93L and MTT 96L (3) the Associate of Arts Degree general education requirements; and (4) electives as needed.

RECOMMENDED ELECTIVES: WELD 120, WELD 130.

See Cerritos College Graduation Requirements.

## MACHINE TOOL TECHNOLOGY NUMERICAL CONTROL TOOL PROGRAMMER

### CERTIFICATE OF ACHIEVEMENT

	UNITS		UNITS
ENGT 116	2	ENGT 116	2
ENGT 117	2	ENGT 117	2
MTT 50	3	MTT 50	3
MTT 51	3.5	MTT 51	3.5
MTT 52	2.5	MTT 52	2.5
MTT 56	2	MTT 56	2
MTT 57	2.5	MTT 57	2.5
MTT 59	2.5	MTT 59	2.5
MTT 91L	1	MTT 91L	1
MTT 95L	1	MTT 95L	1
MTT 170	2	MTT 170	2

## MACHINE TOOL TECHNOLOGY

### CERTIFICATE OF ACHIEVEMENT

	UNITS
MTT 50	3.0
MTT 56	2.0
MTT 68	2.0
MTT 78	1.5
MTT 168	2.0
ENGT 116	2.0
ENGT 117	2.0
NPD 102	3.0

TOTAL CERTIFICATE UNITS 17.5

### MACHINIST

	UNITS
ENGT 116	2
ENGT 117	2
MTT 50	3
MTT 52	2.5
MTT 56	2
MTT 57	2.5
MTT 60	2
MTT 62	2
MTT 68	2
MTT 94L	1
MTT 100	2
MTT 170	2

TOTAL UNITS 25

# Curriculum and Requirements for Majors and Certificates

MTT 180	Robotics for CNC Machines	3
MTT 278	MasterCam Advanced	3.5
		—
Total Units		30.5

## ASSOCIATE OF ARTS DEGREE REQUIREMENTS:

Complete 60 units to include (1) the above requirements for a Certificate of Achievements; (2) two courses from the following: MTT 71, MTT 75, MTT 92L, MTT 93L, and MTT 96L (3) the Associate of Arts Degree general education requirements; and (4) electives as needed.

RECOMMENDED ELECTIVES: WELD 120, WELD 130

See Cerritos College Graduation Requirements.

## MASS COMMUNICATIONS

### JOURNALISM

#### ASSOCIATE IN ARTS DEGREE FOR TRANSFER (AA-T)

##### REQUIRED CORE (9 Units) UNITS

JOUR 100	Mass Communications and Society	3
JOUR 101	Beginning Newswriting and Reporting	3
JOUR 107A	College Newspaper	3

##### LIST A: (Select one) 3 Units

JOUR 121	Multimedia Reporting	3
JOUR 157	Principles of Public Relations	3
or BA 157	Principles of Public Relations	(3)
JOUR 130	Photo Journalism	3
or PHOT 130	Photo Journalism	(3)
JOUR 107B	Intermediate College Newspaper	3

##### LIST B: (Select two) 6 Units

PHOT 100	Introductory Photography	3
ART 188	Design for Desktop Publishing	3
MATH 112	Elementary Statistics	4
POL 101	American Political Institutions	3
POL 220	Comparative Government	3
ENGL 103	Critical and Argumentative Writing	3
PHIL 106	Introduction to Logic	3
ENGL 101	Critical Thinking through Literature	3

Any CSU Breadth courses from two different Areas with A-D

TOTAL UNITS FOR THE MAJOR 18

#### ASSOCIATE IN ARTS IN JOURNALISM FOR TRANSFER REQUIREMENTS

Complete the following (1) 60 semester or 90 quarter CSU – transferable units (2) The California State University-General Education-Breadth pattern (CSU GE-Breadth); or the Intersegmental General Education Transfer Curriculum (IGETC) pattern (3) A minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district (4) Obtainment of a minimum grade point average (GPA) of 2.0 (5) Earn a grade of “C” or better in all courses required for the major or area of emphasis.

**NOTE:** Students should avoid accumulating additional journalism units as they complete their AA-T degree (which requires 60 unit). Additional units will create graduation problems as the upper division. Many programs require 80 units outside of journalism for the degree and each CSU may require up to 28 upper division units in the major.

## JOURNALISM

### ASSOCIATE IN ARTS DEGREE

#### CORE REQUIREMENTS (9 Units) UNITS

JOUR 100	Mass Communication and Society	3
JOUR 101	Beginning Newswriting and Reporting	3
JOUR 121	Multimedia Reporting	3

#### DEPARTMENT REQUIREMENTS

##### (6 units, any combinations)

JOUR 106	talonmarks.com	1 (2)
JOUR 107	College Newspaper	3 (6)
JOUR 160	College Magazine Production	1 (2)

#### Additional Requirements (14 Units)

ART 188	Design for Digital Publishing	3
ART 194	Multimedia Design	3
ART 196	Web Design with Flash and Dreamweaver	3
CIS 205	Programming HTML for the World Wide Web	1.5
JOUR 111	Introduction to Newsletters	1
JOUR 112	Copy Editing Skills	1
JOUR 121	Multimedia Reporting	3
JOUR 122	Creating Podcasts for Media	1
JOUR 130	Photo Journalism	3
or PHOT 130	Photo Journalism	(3)
JOUR 157	Principles of Public Relations	3
or BA 157	Principles of Public Relations	(3)
JOUR 170	Broadcast News/Webcasting	1
or RTV 170	Broadcast News/Webcasting	(1)
JOUR 298	Directed Studies in Journalism (may be applied twice)	1 (2)
or JOUR 50	Editorial Board	(1)
JOUR 299	Directed Studies in Journalism (must be a media internship)	2
or JOUR 171	Occupational Work Experience in Journalism (must be in media internship)	(1)
PHOT 100	Introductory Photography	3
PHOT 110	Introduction to Digital Photography	3
RTV 175	Sportscasting	1
RTV 176	Talk Radio Broadcasting	1
SPCH 160	Parliamentary Procedure	1

TOTAL ASSOCIATE IN ARTS DEGREE 29

**NOTE:** Journalism students intending to transfer to a four-year college are referred to the Transfer Journalism Major Requirements of Study 145.

#### ASSOCIATE IN ARTS DEGREE REQUIREMENTS

Complete a minimum of 60 units to include (1) the above Journalism courses and unit requirements, (2) A.A. Degree General Education Requirements, and (3) electives as needed.

## JOURNALISM

### CERTIFICATE OF ACHIEVEMENT

#### CORE REQUIREMENTS (9 Units) UNITS

JOUR 100	Mass Communications and Society	3
JOUR 101	Beginning Newswriting and Reporting	3
JOUR 121	Multimedia Reporting	3

# Curriculum and Requirements for Majors and Certificates

## DEPARTMENT REQUIREMENTS (Select 6 Units)

JOUR 106	talonmarks.com	1
JOUR 107a	College Newspaper	3
JOUR 107b	Intermediate College Newspaper	3
JOUR 160L	College Magazine Production	1
JOUR 298	Directed Studies in Journalism	1

## DEPARTMENT ELECTIVES (Select 6 Units)

JOUR 107C	Intermediate Advanced College Newspaper	3
JOUR 125	Broadcast News Production and Editing	3
JOUR 130	Photo Journalism	3
or PHOT 130	Photo Journalism	(3)
JOUR 157	Principles of Public Relations	3
or BA 157	Principles of Public Relations	(3)
JOUR 170	Broadcast News/Webcasting	1
JOUR 299	Directed Studies in Journalism (should be internship)	2
RTV 152	Introduction to Broadcasting	3

## ADDITIONAL REQUIREMENTS (Select 3 Units)

ART 188	Design for Desktop Publishing	3
ART 196	Web Design with Flash and Dreamweaver	3
JOUR 107d	Advanced College newspaper	3
JOUR 111	Introduction to Newsletters	1
JOUR 119	Legal Aspects of Mass Communications	1
or RTV 119	Legal Aspects of Mass Communications	(1)
PHOT100	Introduction to Photography	3
PHOT 110	Introduction to Digital Photography	3
<b>TOTAL</b>		<b>24</b>

## PUBLIC RELATIONS

### CERTIFICATE OF ACHIEVEMENT

#### CORE REQUIREMENTS (12 Units)

JOUR 100	Mass Communications and Society	3
JOUR 101	Beginning Newswriting and Reporting	3
JOUR 121	Multimedia Reporting	3
JOUR 157	Principles of Public Relations	3
or BA 157	Principles of Public Relations	(3)

#### DEPARTMENT REQUIREMENTS (21 Units, any combination)

ART 188	Design for Desktop Publishing	3
BA 114	Marketing	3
JOUR 106	Talonmarks.com	1
JOUR 107	College Newspaper	3
JOUR 130	Photo Journalism	3
or PHOT 130	Photo Journalism	(3)
JOUR 160	College Magazine Production (requires corequisite)	1
PHOT 100	Introductory Photography	3
PHOT 110	Introduction to Digital Photography	3
RTV 155	Radio Production	3

#### Additional Requirements (up to 5 Units)

ART 194	Multimedia Design	3
ART 196	Web Design with Flash and Dreamweaver	3
JOUR 111	Introduction to Newsletters	1
JOUR 112	Copy Editing Skills	1
JOUR 122	Creating Podcasts for Media	1
JOUR 170	Broadcast News/Webcasting	1
or RTV 170	Broadcast News/Webcasting	(1)

JOUR 298	Directed Studies in Journalism	1
JOUR 299	Directed Studies in Journalism (must be a media internship)	2
or JOUR 171	Occupational Work Experience in Journalism (must be a media internship)	(1)
SPCH 160	Parliamentary Procedure	1
<b>TOTAL CERTIFICATE UNITS</b>		<b>38</b>

See Cerritos College Graduation Requirements.

## MATHEMATICS

### ASSOCIATE IN SCIENCE DEGREE FOR TRANSFER (AS-T)

#### REQUIRED CORE (17.0 Units)

MATH 170	Analytic Geometry and Calculus I	4
MATH 190	Analytic Geometry and Calculus II	4
MATH 220	Analytic Geometry and Calculus III	4
MATH 250	Linear Algebra and Differential Equations	5

#### SELECT ONE (3 – 4 Units)

PHYS 201	Engineering Physics	4
CIS 180	Programming in C/C++	3
CIS 182	Java Programming	3.5
MATH 112	Elementary Statistics	4

**TOTAL UNITS FOR THE MAJOR** **20-21**

### ASSOCIATE IN SCIENCE IN MATHEMATICS FOR TRANSFER REQUIREMENTS

Completion of 60 semester units that are eligible for transfer to the California State University, including both of the following:

1. The California State University General Education-Breadth Requirements (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC).
  2. Obtainment of a minimum grade point average of 2.0.
- Also required is that students must earn a "C" or better in all courses required for the major.

## MEDICAL ASSISTANT

Cerritos College offers a Certificate of Achievement or an Associate of Arts in Medical Assisting. The student must achieve a grade of "C" or better in all required medical assisting courses to qualify for the Certificate of Achievement and/or Associate of Arts Degree in Medical Assisting. Twelve units of the Medical Assistant program must have been taken within the last five (5) years. Upon successful completion of program requirements, the student is eligible for a Cerritos College Medical Assistant pin.

1. Medical Assistant Certificate of Achievement  
The Medical Assistant Program may be completed in two semesters when started in the fall semester. Both front office (administrative) and back office (clinical) training is available. A clinical lab experience is completed through an internship or occupational work experience.
2. Medical Assistant Associate in Arts Degree  
The student must complete the requirements for a Certificate of Achievement in Medical Assisting and A&P 120, electives, and General Education requirements to achieve a minimum of 60 units.

# Curriculum and Requirements for Majors and Certificates

Full-time students can complete this program in two semesters when starting with the fall semester. Discussion with the department chair regarding questions on course selection is encouraged.

Course selection for a full-time student starting in the fall semester is recommended as follows:

FALL: MA 60, MA 63, MA 64, MA 161, HO 53, HO 54, HO 55 (elective from list).

SPRING: MA 66, MA 67, MA 68 or MA 73 or MA 74, PSYC 101 or PSYC 150, or equivalent, and additional electives if needed.

Full-time students starting in the spring semester are advised to consult with the program chairperson regarding course selection(s).

The program is designed to help meet the needs of the part-time student as well. Course selection in numerical order is advised. Again, consult with the program chair regarding specific course selection questions. Some classes are offered in specific semesters and efficient planning is necessary.

## PROGRAM REQUIREMENTS

### Academic Requirement

The student may obtain a Certificate of Achievement or an Associate in Arts in Medical Assisting. The student must achieve a grade of "C" or better in required medical assisting and General Education course work. (Twelve units of the Medical Assistant program must have been taken within the last five (5) years.) MA 67 and MA 68 have prerequisite courses, which must be completed with a grade of "C" or higher.

### Program Progression/Completion

Successful completion of all levels of course work is necessary for completion of and graduation from the program of study. In order to complete the program, the student must maintain a grade of "C" or higher whether enrolled in combined lecture/lab courses, practicums, or clinical experiences. When content is tiered, each level must be completed according to identified criteria.

Upon successful completion of all program requirements, students are eligible to receive either the Certificate and/or Associate in Art degree.

### Expenses

- A. See the college catalog for enrollment fees.
- B. The student may expect to spend approximately \$600 for books, equipment (including watch with a second hand), and uniforms. Health screening will be at the student's expense. This may include but is not limited to immunizations and CPR/First Aid certification completed at private agencies. Students are responsible for their own living accommodations, uniform laundry, and transportation to selected clinics.

### Essential requirements for the Medical Assistant Program

The Medical Assistant (MA) Program requires the acquisition of knowledge and skills related to the practice of patient care in ambulatory settings. Cerritos College endeavors to educate students who have the ability to become highly competent MAs. Program completion decisions for starting and/or completing the MA program are based on the academic clinical factors which serve to insure that the student can complete the essential functions of the MA program in a variety of clinical settings such as general practice, internal medicine, pediatrics, OB/GYN, after hours care, and specialty practices in the ambulatory care settings. Technical Standards/Essential Functions are available for your review on the program's website. They have been designed to give you more information about the profession and important skills/functions. This information will be helpful to assist you in deciding on your career path.

Cerritos College is committed to the principle of equal opportunity, and as such does not discriminate on the basis of race, color, creed, religion, national origin, gender, sexual orientations, age, marital status, disability

or veteran status. When requested, the College and the program will provide reasonable accommodation to otherwise qualified students with disabilities.

The program curriculum requires the following essential abilities: sensory and motor skills related to patient treatment, ability to comprehend, analyze problem solving and behavioral and social aspects of performance related to that of a medical assistant. The student must have the cognitive abilities necessary to master relevant content in academic and clinical courses at a level deemed appropriate by the faculty. These skills may be described as the ability to comprehend, memorize, analyze and synthesize material. She/he must be able to discern and comprehend dimensional and spatial relationships of structures and develop reasoning and decision-making skills appropriate to the practice of medical assisting.

The student must have the ability to demonstrate proper body mechanics. The students must have the ability to safely assist a patient in moving; different positions on the exam table, from a chair to an exam table and back down, or from a car to a wheelchair and from a wheelchair to a car. The student will be able to: sit up to 1.5 hours in an 8 hour shift (charting, talking on the phone; stand or walk on a continuous basis (rooming patients, assisting provider, retrieving medical records/ X-rays/lab reports, assisting family members; equipment sanitization/ disinfection; lifting on a frequent basis from 25 to 250 pounds (charts, equipment, Xrays, supplies, patients); pushing on a frequent basis up to 45 pounds effort (gurneys, wheelchairs, carts, crash cart); pulling on a frequent basis up to 70 pounds effort (positioning patients on the exam table/surgical table, transferring from gurney or wheelchair to chair/exam table); crouching frequently = bending at the knees (retrieving supplies/equipment from cabinet shelves/off the floor); stooping frequently = bending at the waist (during assisting the provider, procedures, retrieval of items from cabinet); twisting frequently (transferring patients, assisting provider with procedures/treatments, performing sterile techniques); reaching frequently (during procedures, EKGs, transferring, assisting provider/family members, obtaining supplies); kneeling occasionally (transferring patients, performing CPR, obtaining supplies); handling and grasping frequently (preparing and administering medications, performing dressing changes, suture/staple removal and other procedures, manipulation of oxygen equipment, obtaining supplies, using computer keyboards, fine motor dexterity for handling medical instruments, autoclave operation); operations of equipment and tools on a frequent basis ranging from 2 to 40 pounds of effort (bovie machine, CPR crash cart, sigmoidoscopy, suture trays, surgical trays, cystoscopes, exam tables, autoclave operation, measuring vital signs, specimen collection, phlebotomy).

The student must be able to take information and record patient treatment into the patient's record. The student must be able to communicate with the patient, caregiver and staff, all aspects related to the patient's care. This communication will include verbal, written and non-verbal content including the transmission and follow-up inquiry of information. The student must be capable of responsive, empathetic listening and speaking to establish rapport in a way that promotes openness on issues and concern and sensitivity to potential cultural differences. She/he must have the emotional stability to function effectively under stress and be able to adapt to an environment which may change rapidly without warning and/or in unpredictable ways.

These essential requirements of medical assistant education are used in consideration of starting, retention and completion from the Cerritos College program. Graduates are expected to be fully qualified to enter the profession as an MA. It is the responsibility of the student with disabilities to provide verification of the disability and resulting limitations, and to make advance requests for those accommodations that he/she feels are reasonable and needed to execute the essential requirements described.



# Curriculum and Requirements for Majors and Certificates

## Health

Employment in this field requires good vision, hearing, and the ability to communicate verbally, nonverbally and through written word. In addition, students must have the ability to comprehend, analyze, and evaluate patients' charts in order to provide appropriate treatment. Students must be able to record in the patients' charts and have the manual dexterity to use small instruments to provide patient care. The student must be able to work as a team player and demonstrate efficient customer service skills.

## Internship and Occupational Work Experience

Health clearance requirements will vary depending on where clinical lab experiences will be completed (MA 68, MA 73, MA 74). To be placed in a health care facility where direct patient contact will occur (MA 68, MA 73, MA 74), the student must present evidence of compliance with facility health standards and current certification in CPR and First Aid training. The health standards will include, but are not limited to, T.B. testing and immunization. The Medical Assistant Program Record of Immunizations, Vaccination, and Test forms (located in HS 106) must be completed before the first class session and prior to placement in the health care facility. Health clearance, CPR and First Aid requirements must be valid for the duration of the clinical affiliation. Student placements are predominately during the day hours.

## CRIMINAL BACKGROUND CHECKS

Clearance of a criminal background check may be required prior to internship/work experience placement. Students who do not clear agency requirements are not eligible for clinical placement and will, consequently, be ineligible to continue in the course. If there is any concern regarding clearance of a criminal background check, please contact the Health Occupations Division for additional information.

## MEDICAL ASSISTANT

### CERTIFICATE OF ACHIEVEMENT

	UNITS	
HO 53	Electrocardiography	1
HO 54	Medical Laboratory Skills	1
HO 55	Phlebotomy Procedures	1.5
MA 60	Introduction to Medical Assisting	2
MA 63	Health Insurance Coding and Billing	3
MA 64	Medical Office Assisting	3
MA 66	Medications and Specialties	3
MA 67	Medical Office Administration	3
*MA 68	Medical Assisting Internship Experience	4
or *MA 73	Medical Assisting Occupational Work Experience	(3)
or *MA 74	Medical Assisting Occupational Work Experience	(4)
MA 161	Medical Terminology	3

### PSYCHOLOGY

PSYC 101	General Introductory Psychology	3
or PSYC 150	Personal and Social Adjustment	(3)

### And classes from the list below to complete a minimum of 29 Units

BCOT 114	Introduction to Microsoft Office	3.5
CIS 101	Introduction to Computer Information Systems	3
HO 150	Professional/CPR and First Aid (Fall semester only)	1.5
HO 152	Nutrition	3
SPAN 223	Spanish for Health and Medical Careers (or an equivalent)	3

TOTAL CERTIFICATE REQUIREMENTS (29)31

\*Students may select one of these options to complete the medical assisting internship requirement. Only one option can be selected and the course may not be repeated more than one time.

Students not currently employed in a medical office should enroll in MA 68. Students who are currently employed in a medical office up to 19 hours per week should enroll in MA 73. Students who are currently employed in a medical office more than 20 hours per week should enroll in MA 74.

## ASSOCIATE IN ARTS DEGREE REQUIREMENTS

For an Associate in Arts Degree a student must meet the requirements for a Certificate of Achievement in Medical Assisting. The student must take A&P 120, electives and General Education requirements to achieve a minimum of 60 units. See Cerritos College Graduation Requirements.

**CAREER OPPORTUNITIES:** Upon completion of program, employment is available as a medical assistant in a variety of settings: office clinic, hospitals, insurance companies, government agencies, pharmaceutical companies, and educational institutions. Job duties can entail front office (administrative) duties such as receptionist and insurance clerk to back office (clinical) duties such as assisting the provider of care of lab duties.

## MENTAL HEALTH WORKER

### CERTIFICATE OF ACHIEVEMENT MAJOR REQUIREMENTS

#### MENTAL HEALTH WORKER CORE COURSES

	UNITS	
INST 151	Principles of Recovery and Psychosocial Rehabilitation	3
INST 152	Helping Relationships	3
INST 272	Special Populations	3
PSYC 101	General Introductory Psychology	3
PSYC 271	Abnormal Psychology	3
PSYC 273	Mental Health Worker Field Experience	3

TOTAL CERTIFICATE REQUIREMENTS 18

#### RECOMMENDED COURSES (MUST TAKE 6 UNITS)

PSYC 103	Critical Thinking in Psychology	3
PSYC 150	Personal and Social Adjustment	3
PSYC 210	Elementary Statistics	4
PSYC 220	Research Methods	4
PSYC 241	Introduction to Psychobiology	3
PSYC 245	Drugs and Behavior	3
PSYC 251	Developmental Psychology	3
PSYC 261	Social Psychology	3

## ASSOCIATES IN ARTS DEGREE REQUIREMENTS

A minimum of 60 units must be completed to include: the core courses listed above, A.A. Degree general requirements, and at least six units of recommended courses.

**NOTE:** Although all of these courses are transferable to transfer as a Psychology Major refer to Psychology Transfer Major Requirements.

## MICROBIOLOGY

### ASSOCIATE OF ARTS DEGREE

<b>REQUIRED COURSES</b>		<b>UNITS</b>
BIOL 200	Principles of Biology	5
BIOL 201	Principles of Biology	5
CHEM 111	General Chemistry	5
CHEM 112	General Chemistry	5
MICR 200	Principles and Applications of Microbiology	5
<b>TOTAL ASSOCIATE OF ARTS DEGREE REQUIREMENTS</b>		<b>25</b>

#### ADDITIONAL DEGREE REQUIREMENTS:

Completion of a minimum of 60 semester units to include (1) the courses listed above, (2) the AA degree general education requirements, and (3) a grade of "C" or better in all courses required by major.

## MUSIC

### MUSIC

#### ASSOCIATE IN ARTS DEGREE IN MUSIC FOR TRANSFER (AA-T)

<b>REQUIRED CORE: (16 Units)</b>		<b>UNITS</b>
MUS 180	Music Theory/Musicianship I	4
MUS 181	Music Theory/Musicianship II	4
MUS 280	Music Theory/Musicianship III	4
MUS 281	Music Theory/Musicianship IV	4

#### APPLIED MUSIC

(a combination of 4 units from the following courses)  
(all courses are repeatable)

MUS 148	Private Study/Technique	(1)
MUS 149	Private Study/Musical Preparation	(1)
MUS 150	Private Study/Performance Practice	(1)
MUS 151	Private Study/Recital Preparation	(1)

#### ENSEMBLE

(a combination of 4 units from the following courses)  
(all courses are repeatable)

MUS 200E	Beginning Band	(1)
MUS 201E	Concert Band	(1)
MUS 202E	Community Symphonic Band	(1)
MUS 203E	Community Band	(1)
MUS 204E	Orchestra	(1)
MUS 205E	Community Orchestra	(1)
MUS 206E	Stage Band	(1)
MUS 207E	Jazz Ensemble	(1)
MUS 208E	Pop/Rock Latin Ensemble	(1)
MUS 209E	Pep Band	(1)
MUS 210E	String Ensemble	(1)
MUS 216E	Piano Ensemble	(1)
MUS 217E	Guitar Ensemble	(1)
MUS 218E	Community Chorus	(1)
MUS 219E	Collegiate Chorale	(1)

**TOTAL UNITS FOR THE MAJOR ARTS IN MUSIC** 23

### ASSOCIATE IN ARTS IN MUSIC FOR TRANSFER REQUIREMENTS

Complete the following (1) 60 semester or 90 quarter CSU – transferable units (2) The California State University-General Education-Breadth pattern (CSU GE-Breadth); or the Intersegmental General Education Transfer Curriculum (IGETC) pattern (3) A minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district (4) Obtainment of a minimum grade point average (GPA) of 2.0 (5) Earn a grade of "C" or better in all courses required for the major or area of emphasis.

## MUSIC – GENERAL

### ASSOCIATE IN ARTS DEGREE REQUIREMENTS

Theory, private study/recital, and performance classes are required each semester of full-time program (4 semesters). Placement in the appropriate level of theory and private study is made by the Music Department.

#### REQUIRED CORE MUSIC COURSES

	<b>UNITS</b>	
MUS 100	Music Appreciation	3
MUS 180	Music Theory/Musicianship I	4
or MUS 106	Music Theory/Musicianship I	(5)
MUS 181	Music Theory/Musicianship II	4
or MUS 107	Music Theory/Musicianship II	(5)
MUS 112	Elementary Piano I	2
MUS 113	Elementary Piano II	2
MUS 114	Intermediate Piano I	2
MUS 115	Intermediate Piano II	2
MUS 148	Private Study/Technique	1
MUS 149	Private Study/Musical Preparation	1
MUS 150	Private Study/Performance Practice	1
MUS 151	Private Study/Recital Preparation	1
MUS 280	Music Theory/Musicianship III	4
or MUS 108	Music Theory/Musicianship III	(5)
MUS 281	Music Theory/Musicianship IV	3
or MUS 109	Music Theory/Musicianship IV	(5)
Corequisite:	Music Ensemble Course	4

**TOTAL UNITS** 34-39

#### REQUIRED DEPARTMENT MUSIC COURSES (SELECT 3 UNITS)

MUS 101	Introduction to World Music	3
MUS 102	Latino Music	3
MUS 103	Jazz in America	3
MUS 104	American Popular Music	3
MUS 104B	History of Rock Music	3

Any course not used as the required Department course may be used as an elective.

#### ELECTIVE MUSIC COURSES (SELECT 8 UNITS)

MUS 105	Music Fundamentals	3
MUS 110	Music Technology Fundamentals	3
MUS 116	Voice I	2
MUS 117	Voice II	2
MUS 118	Voice III	2
MUS 119	Voice IV	2
MUS 120	Elementary Guitar I	2
MUS 121	Elementary Guitar II	2
MUS 122	Intermediate Guitar I	2
MUS 123	Intermediate Guitar II	2
MUS 200E	Beginning Band	1
or MUS 124A	Beginning Band	(2.5)

# Curriculum and Requirements for Majors and Certificates

MUS 201E	Concert Band	1
or MUS 124	Concert Band	(2.5)
MUS 202E	Community Symphonic Band	1
or MUS 125	Community Symphonic Band	(2.5)
MUS 203E	Community Band	1
or MUS 125A	Community Band	(2.5)
MUS 204E	Orchestra	1
or MUS 127	Orchestra	(2.5)

\*Music Electives: MUS 100, 101, 102, 103, 104, 104B, 105, 108, 109, 114, 115, 118, 119, 140, 142, 201E, 202E, 203E, 204E, 205E, 206E, 207E, 208E, 209E, 210E, 211E, 212E, 213E, 216E, 217E, 218E, or 219E.

## ASSOCIATE IN ARTS DEGREE REQUIREMENTS:

Meet the requirements for an Associate in Arts in Music: Commercial Music by:

1. Completion of 60 semester units that are eligible for transfer to the California State University, including both of the following:
  - a. Cerritos College General Education Breadth Requirements (Plan A), or The California State University General Education-Breadth Requirements (Plan B), or the Intersegmental General Education Transfer Curriculum (IGETC) (Plan C).
  - b. Obtainment of a minimum grade point average of 2.0.
2. Also required is that students must earn a "C" or better in all courses required for the major.

## RECOMMENDATIONS:

- 1) Students should strongly consider taking MUS 105, Music Fundamentals, as part of their General Education requirements

## MUSIC ENSEMBLE

MUS 205E	Community Orchestra	1
or MUS 128	Community Orchestra	(2.5)
MUS 206E	Stage Band	1
or MUS 133	Stage Band	(2.5)
MUS 207E	Jazz Ensemble	1
or MUS 134	Jazz Ensemble	(2.5)
MUS 208E	Pop/Rock Latin Ensemble	1
or MUS 141	Pop/Rock Ensemble	(2.5)
MUS 209E	Pep Band	1
or MUS 126	Pep Band	(2.5)
MUS 210E	String Ensemble	1
or MUS 136	String Ensemble	(1.5)
MUS 211E	Woodwind Ensemble	1
or MUS 129	Woodwind Ensemble	(1.5)
MUS 213E	Percussion Ensemble	1
or MUS 131	Percussion Ensemble	(1.5)
MUS 216E	Piano Ensemble	1
or MUS 154	Piano Ensemble	(1.5)
MUS 217E	Guitar Ensemble	1
or MUS 132	Guitar Ensemble	(2.5)
MUS 218E	Community Chorus	1
or MUS 138	Community Chorus	(2.5)
MUS 219E	Collegiate Chorale	1
or MUS 138A	Collegiate Chorale	(2.5)
TOTAL MAJOR REQUIREMENTS		45-50

## ASSOCIATE IN ARTS IN GENERAL MUSIC DEGREE REQUIREMENTS

1. Completion of 45-50 units in the major
2. The Cerritos College Associate in Arts General Education Requirements
3. Obtainment of a minimum grade point average of 2.0.
4. Students must also earn a C or better in all courses required for the major.

## COMMERCIAL MUSIC

## ASSOCIATE IN ARTS DEGREE

### REQUIRED CORE

MUS 104B	History of Rock Music	3
MUS 110	Music Technology Fundamentals	3
MUS 112	Elementary Piano I	2
MUS 135	This Business of Music	3
MUS 144A	Electronic Synthesizer I	2
MUS 144B	Electronic Music Production	2
MUS 146A	Recording Techniques	2
MUS 180	Music Theory/Musicianship I	4
MUS 181	Music Theory/Musicianship II	4
	*Music Electives	6
TOTAL UNITS		31

## COMMERCIAL MUSIC PRODUCTION

### CERTIFICATE OF ACHIEVEMENT

#### REQUIRED COURSES:

		UNITS
MUS 110	Music Technology Fundamentals	3
MUS 112	Elementary Piano I	2
MUS 113	Elementary Piano II	2
MUS 135	This Business of Music	3
MUS 144A	Synthesizer Techniques	2
MUS 144B	Electronic Music Production	2
MUS 146A	Recording Techniques	2
MUS 146B	Mixing Techniques	2.5
MUS 155	Music Entrepreneurship	3
MUS 156	Contemporary Music Notation	2.5
MUS 171	Occupational Work Experience in Music	1
MUS 180	Music Theory/Musicianship I	4
MUS 181	Music Theory/Musicianship II	4
MUS 244A	Audio for Film, TV, and Games	2.5
MUS 245A	Music for Film, TV, and Games	2.5

TOTAL UNITS 38