NEW PROGRAMS

Transfer Preparation Associate in Science

Administration of Justice
(SB 1440 Star Act)

Transfer Preparation * (Major Code: 01251)

Administration of Justice and Criminal Justice are the study of theories, concepts, statutes, laws, procedures, and methodologies governing the criminal justice system. These programs explore the historical development of criminal law, the interrelationship between criminal law and the criminal justice system, and its contemporary application in juvenile and adult crime. This program meets the requirements of the STAR Act.

Required Core: 6 units
AJ 111 Introduction to Administration of Justice 3
AJ 151 Concepts of Criminal Law 3

List A: Two courses (6-8 units)
AJ 161 Principles and Procedures of the Justice System 3
AJ 156 Legal Aspects of Evidence 3
AJ 166 Principles of Investigation 4
AJ 171 Evidence Technology 4
AJ 188 Community Relations 3
AJ 113 Correctional Institutions 3
AJ 181 Juvenile Law and Procedures 3

List B: Two courses (minimum of 6-8 units)
You can select any course from List A not already used.
SOC 101 Introduction to Sociology 3
PSYC 270 Statistical Methods of Psychology 3
or
SOC 270 Statistical Methods of Sociology 3
or
MATH 119 Elementary Statistics 4
PSYC 101 General Psychology 3
PS 102 Introduction to American Government and Politics 3

or
SOC 110 Contemporary Social Problems 3
OR any CSU transferable Administration of Justice lower division course or courses outside the Administration of Justice discipline that are articulated as lower division major preparation for the Criminal Justice or Criminology Major at any CSU.

Total units 18-22

*Students planning to transfer to a four-year college or university should complete courses specific to transfer institution of choice. University requirements vary from institution to institution and are subject to change. Therefore, it is important to verify transfer major preparation and general education requirements through consultation with a counselor in either the Counseling Center or Transfer Center.

Transfer Preparation Associate in Arts

Art History
(SB 1440 Star Act)

Transfer Preparation * (Major Code: 01215)

Designed to provide a nurturing and challenging educational environment that will prepare students for further institutional study; to provide a clear pathway for students wishing to further their mastery of the field of History of Art and Culture; to facilitate insight into oneself and increase knowledge of and sensitivity to others; and to prepare students for further study in Art History as a transfer major.

Required Core
ART 150 Art History Survey—Stone Age to the Ages of Faith 3
ART 151 Art History—Renaissance to Contemporary 3
ART 100 Drawing I 3

List A Select one course (3 units)
ART 129 Asian Art 3
ART 112 Arts of Africa, Oceania, and Indigenous North America 3
ART 113 Art and Culture of Pre-Hispanic Mexico 3

List B - Select one course (3 units)
ART 101 Design I 3
ART 103 Design II 3
ART 105 Life Drawing I 3
ART 192 Introduction to Digital Imaging 3
ART 170 Beginning Ceramics 3
ART 205 Beginning Digital Photography 3
ART 110 Sculpture I 3
ART 101 Design I 3
ART 129 Asian Art 3

List C - Select one course (3-5 units)
Or any course from List A or B not already used.
ART 149 Women in Western Art History, 1550-Present 3
ART 156 History of Photography 3
ART 157 Nineteenth Through Twenty-First Century Art History 3
ART 130 History of Film as Art 3
ART 104 Introduction to Art 3
ART 107 Painting I 3
ART 121 Darkroom and Digital Photography I 3
ART 187 Design in Wood I 3
ART 185A Jewelry and Metalwork I 3
ART 185B Jewelry and Metalwork II 3
HUM 123 Women and Gender in World Art 3
CHIN 101 Mandarin Chinese I 5
CHIN 102 Mandarin Chinese II 5
FIL 101 Elementary Filipino I 5
FIL 102 Elementary Filipino II 5
**Transfer Preparation Associate in Arts**

**Geography**
*(SB 1440 Star Act)*

**Transfer Preparation * (Major Code: 01775)**

Geography is a science that seeks to analyze the physical environment as well as study human influences to and interactions with the environment. Thus, this discipline examines the various physical forces that help shape the landscape and the role that humans play in the alteration of the environment. Geography is a spatial and temporal science. A geographer will study the spatial and temporal distribution of vegetation across the globe, the physical forces leading to earthquakes and volcanoes, the historical and future arrangements of human societies across the planet, and the reasons behind differing climates from one part of the world to the next—presently, historically, and predictively. The field is strongly interdisciplinary with roots in the physical and cultural sciences. In addition, geospatial technologies, such as Geographic Information Systems (GIS), remote sensing (RS), and Geospatial Positioning Systems (GPS) are requisite tools for the modern geographer.

**REQUIRED CORE: (7 units)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 100</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 101</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 120</td>
<td>3</td>
</tr>
<tr>
<td>HIST 100</td>
<td>3</td>
</tr>
</tbody>
</table>

**LIST A: Select two to three courses (6-9 units)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 106</td>
<td>3</td>
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<tr>
<td>GEOG 160</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 145</td>
<td>3</td>
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</tbody>
</table>

**Total units**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>29</td>
</tr>
</tbody>
</table>

*Students planning to transfer to a four-year college or university should complete courses specific to transfer institution of choice. University requirements vary from institution to institution and are subject to change. Therefore, it is important to verify major preparation and general education requirements through consultation with a counselor in either the Counseling Center or Transfer Center.*
LIST B: Select two courses (6-8 units)
Any course from LIST A not already used.

GEOG 130 Weather and Climate 3

LIST B, Select one course from each area (6-8 units)

HIST 100 American Civilization I 3
HIST 101 American Civilization II 3

LIST A: Select two courses [6 unit]
HIST 106 World History I 3
or
HIST 104 Western Civilization I 3
and
HIST 107 World History II 3
or
HIST 105 Western Civilization II 3

LIST B, Select one course from each area (6-8 units)

AREA 1: (3-5) units

Any diversity course defined as:

a) World History to 1500 or World History Since 1500 if not used in List A; OR
b) A non-western history course (any history course not pertaining to the US or Europe)
   articulated as fulfilling CSU GE Area C or D or IGETC Area 3 or 4. OR
   Any course from the humanities or social sciences (including history) that addresses any historically
   under-represented group or non-western subject articulated as fulfilling CSU
   GE Area C or D or IGETC Area 3 or 4.

HIST 106 World History I 3
HIST 107 World History II 3
AFRO 110 African-American History I 3
HIST 110 African-American History I 3
AFRO 111 African-American History II 3
HIST 111 African-American History II 3
MAS 141 Mexican-American History I 3
HIST 141 Mexican-American History I 3
MAS 142 Mexican-American History II 3
HIST 142 Mexican-American History II 3
ASIA 112 Asian-American History I 3
HIST 112 Asian-American History I 3
ASIA 113 Asian-American History II 3
HIST 113 Asian-American History II 3
ASIA 114 Filipino-American History 3
HIST 114 Filipino-American History 3
HIST 132 Women in World History 3
PS 103 Introduction to Comparative Government 3
PS 104 Introduction to International Relations 3
SOC 105 Masculinity 3
SOC 106 Race and Ethnicity 3
MAS 150 Mexican and Mexican-American Cultures in the United States 3
SOC 150 Mexican and Mexican-American Cultures in the United States 3
AFRO 151 Introduction to African-American Culture 3
SOC 151 Introduction to African-American Culture 3
SOC 115 Filipino-American Culture 3
ASIA 115 Filipino-American Culture 3
ENGL 270 Multicultural Literature 3
ENGL 271 Latin American Literature 3
ENGL 272 Chicano Literature 3
ENGL 273 African-American Literature 3
ENGL 274 Literature of the U.S. - Mexico Borderlands and Baja California 3

History

(SB 1440 Star Act)
Transfer Preparation * (Major Code: 01795)

Histories are the study of all human experience. History examines the people, institutions, ideas, and events of the past and present. History is a social science that studies and analyzes the chronological, geographical, national, and ethnic accounts of what we believe to be the human record.

REQUIRED CORE: 6 units
HIST 100 American Civilization I 3
HIST 101 American Civilization II 3

LIST A: Select two courses [6 unit]
HIST 106 World History I 3
or
HIST 104 Western Civilization I 3
and
HIST 107 World History II 3
or
HIST 105 Western Civilization II 3

LIST B, Select one course from each area (6-8 units)

AREA 1: (3-5) units

Any diversity course defined as:

a) World History to 1500 or World History Since 1500 if not used in List A; OR
b) A non-western history course (any history course not pertaining to the US or Europe)
   articulated as fulfilling CSU GE Area C or D or IGETC Area 3 or 4. OR
   Any course from the humanities or social sciences (including history) that addresses any historically
   under-represented group or non-western subject articulated as fulfilling CSU
   GE Area C or D or IGETC Area 3 or 4.

HIST 106 World History I 3
HIST 107 World History II 3
AFRO 110 African-American History I 3
HIST 110 African-American History I 3
AFRO 111 African-American History II 3
HIST 111 African-American History II 3
MAS 141 Mexican-American History I 3
HIST 141 Mexican-American History I 3
MAS 142 Mexican-American History II 3
HIST 142 Mexican-American History II 3
ASIA 112 Asian-American History I 3
HIST 112 Asian-American History I 3
ASIA 113 Asian-American History II 3
HIST 113 Asian-American History II 3
ASIA 114 Filipino-American History 3
HIST 114 Filipino-American History 3
HIST 132 Women in World History 3
PS 103 Introduction to Comparative Government 3
PS 104 Introduction to International Relations 3
SOC 105 Masculinity 3
SOC 106 Race and Ethnicity 3
MAS 150 Mexican and Mexican-American Cultures in the United States 3
SOC 150 Mexican and Mexican-American Cultures in the United States 3
AFRO 151 Introduction to African-American Culture 3
SOC 151 Introduction to African-American Culture 3
SOC 115 Filipino-American Culture 3
ASIA 115 Filipino-American Culture 3
ENGL 270 Multicultural Literature 3
ENGL 271 Latin American Literature 3
ENGL 272 Chicano Literature 3
ENGL 273 African-American Literature 3
ENGL 274 Literature of the U.S. - Mexico Borderlands and Baja California 3

ENGL 280 Literature By Women 3
MUS 106 Introduction to Jazz 3
ART 112 Arts of Africa, Oceania, and Indigenous North America 3
ART 113 Art and Culture of Pre-Hispanic Mexico 3
ART 129 Asian Art 3
ART 149 Women in Western Art History, 1550-Present 3
ART 150 Art History Survey---Stone Age to the Ages of Faith 3
ART 151 Art History---Renaissance to Contemporary 3
ART 157 Nineteenth Through Twenty-First Century Art 3
HUM 120 Introduction to Gender and Women's Studies 3
HUM 121 Women and Gender in World Culture 3
HUM 122 Women and Gender in Social Movements 3
HUM 123 Women and Gender in World Art 3

b) A language other than English which is articulated as fulfilling CSU GE Area C2 or IGETC Area 3B.

FIL 201 Intermediate Filipino I 5
ASL 120 American Sign Language I 4
ASL 130 American Sign Language II 4
CHIN 101 Mandarin Chinese I 5
CHIN 102 Mandarin Chinese II 5
FIL 101 Elementary Filipino I 5
FIL 102 Elementary Filipino II 5
FREN 101 Elementary French I 5
FREN 102 Elementary French II 5
FREN 201 Intermediate French I 5
FREN 202 Intermediate French II 5
ITAL 101 Elementary Italian I 5
ITAL 102 Elementary Italian II 5
ITAL 201 Intermediate Italian I 5
ITAL 202 Intermediate Italian II 5

Transferred 10/29/2014 3
Transfer Preparation Associate in Arts

Kinesiology (SB 1440 Star Act)

The Kinesiology program offers a wide range of possibilities for the student who wants to pursue a degree in the interdisciplinary approach to the study of human movement, athletic training, physical education, pre-physical therapy, human anatomy, human physiology, and the social and psychological aspects of exercise, fitness and sport. Exploration of career opportunities in areas sport, movement, exercise and fitness, including teaching, coaching, and fitness professions.

Transfer Credit: CSU.

Transfer Preparation Associate in Arts

Kinesiology

(SB 1440 Star Act)

Transfer Preparation * (Major Code: 01365)

List B

Area 2: [3 Units]

Any history course (including courses from List A if not used above) or any non-history course from the humanities or social sciences related to history articulated as fulfilling CSU GE Area C or D or IGETC Area 3 or 4. OR Any introductory level social sciences course articulated as fulfilling CSU GE Area D or IGETC Area 4

SOC 101 Introduction to Sociology 3

PSYC 101 General Psychology 3

PS 101 Introduction to Political Science 3

ECON 100 Contemporary Economic Problems 3

ANTH 102 Cultural Anthropology 3

AJ 111 Introduction to Administration of Justice 3

GEOG 106 World Regional Geography 3

CD 170 Principles of Child Development 3

Total units 18-20

*Students planning to transfer to a four-year college or university should complete courses specific to transfer institution of choice. University requirements vary from institution to institution and are subject to change. Therefore, it is important to verify transfer major preparation and general education requirements through consultation with a counselor in either the Counseling Center or Transfer Center.

Transfer Preparation Associate in Arts

Kinesiology

(SB 1440 Star Act)

Transfer Preparation * (Major Code: 01365)

The Kinesiology program offers a wide range of possibilities for the student who wants to pursue a degree in the interdisciplinary approach to the study of human movement, athletic training, physical education, pre-physical therapy, human anatomy, human physiology, and the social and psychological aspects of exercise, fitness and sport. Exploration of career opportunities in areas sport, movement, exercise and fitness, including teaching, coaching, and fitness professions.

Transfer Credit: CSU.

Required Core: 12 Units

ES/T 202 Introduction to Kinesiology 3

BIOL 260 Human Anatomy 3

BIOL 261 Principles of Human Physiology 4

Movement-based Courses (minimum 3 units)

Select a maximum of one (1) course from any three (3) of the following areas for a minimum of three units: Aquatics, Fitness, Individual Sports, Team Sports

Aquatics:

ES/A 155 Swimming I 1

ES/A 223 Beginning Sailing 1-2

ES/A 227 Aquatic Exercise I 1

ES/A 238 Beginning Surfing 1

Fitness:

ES/A 264 Beginning Yoga 1

Individual Sports:

ES/A 135 Bowling—Beginning 1

ES/A 143 Badminton I 1

List A: Select two courses (minimum 6 units) from the following:

MATH 119 Elementary Statistics 4

or

SOC 270 Statistical Methods of Sociology 3

or

BIOL 100 Principles of Biology 3

and

BIOL 101 Principles of Biology Laboratory 1

or

CHEM 100 Introduction to General Chemistry 4

or

CHEM 170 Preparation for General Chemistry 4

Total units 21-23

*Students planning to transfer to a four-year college or university should complete courses specific to transfer institution of choice. University requirements vary from institution to institution and are subject to change. Therefore, it is important to verify transfer major preparation and general education requirements through consultation with a counselor in either the Counseling Center or Transfer Center.

Transfer Preparation Associate in Arts

Philosophy

(SB 1440 Star Act)

Transfer Preparation * (Major Code: 01835)

Philosophy, humanity’s oldest intellectual discipline, asks fundamental questions about the nature of thought and existence from various perspectives. This discipline explores the scope and limits of human knowledge, the ultimate constituents of reality, the sources of values and obligation, and the nature of logic and correct reasoning. Through philosophy, one may think about and develop perspectives on topics as diverse as science, religion, language, logic, truth, ethics, politics, and law. The lower-division requirements give both the philosophy major and the general education student an excellent vehicle for refining his/her skills in critical reasoning and rational decision making. The application of philosophical ideas to the practical problems of life is an essential part of the curriculum. Philosophy majors who plan a career in teaching at the college or university level must complete a bachelor’s degree and a graduate-level degree.
REQUited Core: Select two (6 units)
PHIL 103 Logic and Critical Thinking 3
PHIL 101 Introduction to Philosophy 3
or
PHIL 120 Ethics: Theory and Practice 3

LIST A: Select one course (3 units)
Any course from Required Core not already used
PHIL 101 Introduction to Philosophy 3
or
PHIL 120 Ethics: Theory and Practice 3

LIST B: Select two courses (6 units)
HIST 104 Western Civilization I 3
HIST 105 Western Civilization II 3
PHIL 106 World Religions 3
PHIL 107 Asian Philosophy 3

LIST C: Select one course (3-6 units)
HIST 106 World History I 3
HIST 107 World History II 3
HUM 101 Humanities through the Arts I 3
HUM 102 Humanities through the Arts II 3
HUM 112 Culture and the Media 3
or
TELE 112 Culture and the Media 3
HUM 104 Introduction to Humanities: Arts and Ideas 3
HUM 140 World Mythology 3
ENGL 270 Multicultural Literature 3
ENGL 271 Latin American Literature 3
ENGL 272 Chicano Literature 3
ENGL 273 African American Literature 3
ENGL 274 Literature of the U.S. - Mexico 3
ENGL 280 Literature By Women 3
ASL 120 American Sign Language I 4
CHIN 101 Mandarin Chinese I 5
FREN 101 Elementary French I 5
ITAL 101 Elementary Italian I 5
JPN 101A Introductory Elementary Japanese 3
and
JPN 101B Continuation of Elementary Japanese 3
JPN 101 Beginning Japanese I 5
FIL 101 Elementary Filipino I 5
PORT 101 Elementary Portuguese I 5
SPAN 101A Introduction to Elementary Spanish 3
and
SPAN 101B Continuation of Elementary Spanish 3
SPAN 101 Elementary Spanish I 5
ASL 130 American Sign Language II 4
CHIN 102 Mandarin Chinese II 5
FREN 102 Elementary French II 5
ITAL 102 Elementary Italian II 5
JPN 102 Beginning Japanese II 5
FIL 102 Elementary Filipino II 5
PORT 102 Elementary Portuguese II 5
SPAN 102 Elementary Spanish II 5
FREN 201 Intermediate French I 5
ITAL 201 Intermediate Italian I 5
JPN 201 Intermediate Japanese I 5
FIL 201 Intermediate Filipino I 5
SPAN 201 Intermediate Spanish I 5
FREN 202 Intermediate French II 5
ITAL 202 Intermediate Italian II 5
JPN 202 Intermediate Japanese II 5
SPAN 202 Intermediate Spanish II 5
SPAN 215 Spanish for Bilinguals I 5
SPAN 216 Spanish for Bilinguals II 5
SPAN 221 Introduction to Literature for Bilinguals 5
SPAN 225 Intermediate Conversation and Writing on Spanish Culture 3
SPAN 226 Intermediate Conversation and Writing on Latin American Culture 3

Total units 18-21

SDSU also requires three consecutive courses in a single foreign language as part of the requirement for the bachelor's degree. Foreign language competency may also be demonstrated by successfully completing four years of one foreign language in high school or by successfully completing a challenge examination. See a counselor for additional information.

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 Transfer Preparation Associate in Arts

**Studio Arts (SB 1440 Star Act)**

<table>
<thead>
<tr>
<th>Transfer Preparation * (Major Code: 01228)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designed to provide students with a broad visual arts education and for the major who wishes to transfer to a four-year college or university. Coursework focuses on both form and content while developing the student's technical skills, aesthetic awareness, personal expression, and critical analysis. In addition, the curriculum encourages the student's perceptual and conceptual abilities in the context of art history and society. Most universities require students to present a portfolio for evaluation to be admitted; therefore, students should keep a portfolio of their work from Southwestern College.</td>
</tr>
</tbody>
</table>

**Required Core**

| ART 151 | Art History---Renaissance to Contemporary | 3 |
| ART 101 | Design I | 3 |
| ART 103 | Design II | 3 |
| ART 100 | Drawing I | 3 |

**LIST A: Select one course (3 Units)**

| ART 150 | Art History Survey---Stone Age to the Ages of Faith | 3 |
| ART 129 | Asian Art | 3 |
| ART 112 | Arts of Africa, Oceania, and Indigenous North America | 3 |

**LIST B: Select three courses (9 Units)**

| ART 105 | Life Drawing I | 3 |
| ART 102 | Drawing II | 3 |
| ART 107 | Painting I | 3 |
| ART 116 | Printmaking I | 3 |
| ART 170 | Beginning Ceramics | 3 |
| ART 110 | Sculpture I | 3 |
| ART 192 | Introduction to Digital Imagery | 3 |
| ART 205 | Beginning Digital Photography | 3 |
| ART 185A | Jewelry and Metalwork I | 3 |
| ART 106 | Life Drawing II | 3 |
Therefore, it is important to verify transfer major preparation and general education requirements through consultation with a counselor in either the Counseling Center or Transfer Center.

Transfer Preparation Associate in Arts

Theatre Arts
(SB 1440 Star Act)

Transfer Preparation * (Major Code: 01225)
The TMC Theatre Degree encompasses a broad spectrum of theatre studies. Upon completion of the transfer associate degree, the student is eligible for transfer with junior standing into the California State University (CSU) system. Students will be given priority consideration when applying at specific CSU institutions.

Required Core (9 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA 101</td>
<td>Introduction to the Theatre</td>
<td>3</td>
</tr>
<tr>
<td>TA 110</td>
<td>Acting I</td>
<td>3</td>
</tr>
<tr>
<td>TA 120</td>
<td>Theatre Workshop - Performance</td>
<td>3</td>
</tr>
</tbody>
</table>

List A (select three courses) 8-9 units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA 111</td>
<td>Acting II</td>
<td>3</td>
</tr>
<tr>
<td>TA 152</td>
<td>Lighting Techniques</td>
<td>3</td>
</tr>
<tr>
<td>TA 165</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>TA 160</td>
<td>Theatre Workshop--Technical Crews I</td>
<td>1.5 -2</td>
</tr>
<tr>
<td>and</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TA 161</td>
<td>Theatre Workshop--Technical Crews II</td>
<td>1.5 -2</td>
</tr>
</tbody>
</table>

Total units 18.00

*Students planning to transfer to a four-year college or university should complete courses specific to transfer institution of choice. University requirements vary from institution to institution and are subject to change. Therefore, it is important to verify transfer major preparation and general education requirements through consultation with a counselor in either the Counseling Center or Transfer Center.

Medical Assisting—Administrative
Career/Technical (Major Code: 02315)
Prepares students for an entry level career in medical assisting with an administrative emphasis. Students gain an understanding of basic medical terminology, anatomy, physiology, pathology, medical assisting administrative procedures including record management, reception, appointment scheduling, and medical insurance processing. Graduates of the Medical Assisting – Administrative certificate program are prepared for employment in a variety of medical and health care settings.

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDOP 20</td>
<td>Health Care Essentials</td>
<td>3</td>
</tr>
<tr>
<td>MEDOP 230</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>BUS 211</td>
<td>Communication in Business and Industry</td>
<td>3</td>
</tr>
<tr>
<td>COMM 174</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDOP 236</td>
<td>Pharmacology for Health Care Professionals</td>
<td>3</td>
</tr>
<tr>
<td>MEDOP 135</td>
<td>Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>MEDOP 133</td>
<td>Human Structures and Functions</td>
<td>3</td>
</tr>
<tr>
<td>MEDOP 121</td>
<td>Electronic Health Records</td>
<td>2</td>
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</table>

Third Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>MEDOP 231</td>
<td>Administrative Medical Assisting Procedures</td>
<td>4</td>
</tr>
<tr>
<td>MEDOP 44</td>
<td>Medical Insurance Billing</td>
<td>3</td>
</tr>
<tr>
<td>MEDOP 30</td>
<td>Medical Assisting—Administrative Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

Total units 36.00

To earn an associate degree, additional general education and graduation requirements must be completed. See page 59.
Certificate of Achievement

Medical Assisting—Clinical

Career/Technical (Major Code: 02322)

Prepares students for an entry level career in medical assisting with a clinical emphasis. Students gain an understanding of basic medical terminology, anatomy, physiology, pathology, medical assisting clinical procedures including infection control, screening, laboratory and diagnostic tests, venipuncture (blood drawing) and immunization administration. Graduates of the Medical Assisting – Clinical certificate program are prepared for employment in a variety of medical and health care settings.

First Semester

<table>
<thead>
<tr>
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<tr>
<td>MEDOP 20</td>
<td>Health Care Essentials</td>
<td>3</td>
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<tr>
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<td>3</td>
</tr>
<tr>
<td>BUS 211</td>
<td>Communication in Business and Industry</td>
<td>3</td>
</tr>
<tr>
<td>COMM 174</td>
<td>Interpersonal Communication</td>
<td>3</td>
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</table>

Second Semester

<table>
<thead>
<tr>
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<th>Units</th>
</tr>
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<tbody>
<tr>
<td>MEDOP 236</td>
<td>Pharmacology for Health Care Professionals</td>
<td>3</td>
</tr>
<tr>
<td>MEDOP 135</td>
<td>Pathophysiology</td>
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<tr>
<td>MEDOP 133</td>
<td>Human Structures and Functions</td>
<td>3</td>
</tr>
<tr>
<td>MEDOP 121</td>
<td>Electronic Health Records</td>
<td>2</td>
</tr>
</tbody>
</table>

Total units 34.00

Transfer Preparation Associate in Science

Nursing

Career/Technical (Major Code: 02360)

Prepares students for careers in nursing through the study of the humanities, natural/social sciences, and the field of nursing. Emphasis is on nursing theory and clinical practice. Graduates are eligible to apply to the California Board of Registered Nursing to take the examination for licensure as a registered nurse.

Prerequisites:
BIO 250 Human Anatomy 4
BIO 261 Principles of Human Physiology 4
BIO 265 General Microbiology 4
ADN 140 Reading and Composition for Nursing and Allied Health Occupations 3

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADN 111A</td>
<td>Pathophysiology and Pharmacology I</td>
<td>2</td>
</tr>
<tr>
<td>ADN 112</td>
<td>Fundamentals of Nursing</td>
<td>2</td>
</tr>
<tr>
<td>ADN 112L</td>
<td>Fundamentals of Nursing Clinical Laboratory</td>
<td>5</td>
</tr>
</tbody>
</table>

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADN 111B</td>
<td>Pathophysiology and Pharmacology II</td>
<td>2</td>
</tr>
<tr>
<td>ADN 113</td>
<td>Maternal and Child Nursing</td>
<td>3</td>
</tr>
<tr>
<td>ADN 113L</td>
<td>Maternal and Child Nursing Laboratory</td>
<td>5</td>
</tr>
</tbody>
</table>

Third Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADN 221</td>
<td>Adult Nursing</td>
<td>5</td>
</tr>
<tr>
<td>ADN 221L</td>
<td>Adult Nursing Laboratory</td>
<td>5</td>
</tr>
</tbody>
</table>

Fourth Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADN 114</td>
<td>Nursing Supervision and Leadership I</td>
<td>2</td>
</tr>
<tr>
<td>ADN 223</td>
<td>Gerontology</td>
<td>2</td>
</tr>
<tr>
<td>ADN 223L</td>
<td>Gerontology Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>ADN 225</td>
<td>Nursing Supervision and Leadership II: Preceptorship</td>
<td>2</td>
</tr>
</tbody>
</table>

Total units 39.00

The following courses can be taken at any time as part of the General Education requirement for nursing.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 103</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 174</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CD 170</td>
<td>Principles of Child Development</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC 230</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Take 3 units from Area C in Group 1: Fine Arts OR Group 2: Cultural Studies 3

Certificate of Achievement

Medical Assisting—Medical Insurance Billing and Coding

Career/Technical (Major Code: 02317)

Prepares students for an entry level career in medical assisting with a medical insurance billing and coding emphasis. Students gain an understanding of basic medical terminology, anatomy, physiology, medical insurance billing and coding procedures including managed care and insurance, international classification of diseases, current procedural terminology (CPT) and diagnostic coding. Graduates of the Medical Assisting – Administrative certificate program are prepared for employment in a variety of medical and healthcare settings and entrepreneurial opportunities are available.

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDOP 20</td>
<td>Health Care Essentials</td>
<td>3</td>
</tr>
<tr>
<td>MEDOP 230</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>BUS 211</td>
<td>Communication in Business and Industry</td>
<td>3</td>
</tr>
<tr>
<td>COMM 174</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDOP 121</td>
<td>Electronic Health Records</td>
<td>2</td>
</tr>
<tr>
<td>MEDOP 236</td>
<td>Pharmacology for Health Care Professionals</td>
<td>3</td>
</tr>
<tr>
<td>MEDOP 135</td>
<td>Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>MEDOP 133</td>
<td>Human Structures and Functions</td>
<td>3</td>
</tr>
</tbody>
</table>

Third Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDOP 44</td>
<td>Medical Insurance Billing</td>
<td>3</td>
</tr>
</tbody>
</table>

Total units 35.00
MATH 60  Intermediate Algebra I  4

Total units  16.00

Proficiencies required for department acceptance into this program include college-level reading (RDG 158), and Intermediate Algebra (MATH 60). To earn an associate degree, additional General Education and Graduation requirements must be completed.

* Or four semester units of equivalent courses from an accredited institution. Required science courses taken at Southwestern College have prerequisite courses of BIOL 100, 101 and CHEM 100 or 170 or equivalent.

LVN TO ADN TRANSITION PROGRAM
California licensed vocational nurses are eligible to apply to a one-year LVN-ADN transition program. Credit toward first year ADN courses is granted upon evidence of licensure. Students take a transition course before joining the ADN class in the third semester.

COMPLETION OF PREREQUISITES REQUIRED.

Prerequisites
(12 units)
BIOL 260  * Human Anatomy  4
BIOL 261  Principles of Human Physiology  4
BIOL 265  * General Microbiology  4

Total units  12.00

Summer Session
ADN 115  Transition to Associate Degree Nursing  3

First Semester
ADN 221  Adult Nursing  5
ADN 221L  Adult Nursing Laboratory  5

Second Semester
ADN 114  Nursing Supervision and Leadership I  2
ADN 223  Gerontology  2
ADN 223L  Gerontology Laboratory  4
ADN 225  Nursing Supervision and Leadership II: Preceptorship  2

Total units  23.00

* Or four semester units of equivalent courses from an accredited institution. Required science courses taken at Southwestern College have prerequisite courses of BIOL 100, 101 and CHEM 100 or 170 or equivalent.

Transfer Preparation Associate in Arts

Transfer Education/Preparation for Nursing

Transfer Preparation (Major Code: A1330)
A bachelor's degree is generally required for public health/community nursing school and industrial nursing, and for commissioned officer status in the armed forces. It is also recommended as basic preparation for further study for those seeking careers in leadership positions, in nursing research or nursing education, and as nurse practitioners, midwives, and anesthetists. There are several institutions in California which grant the bachelor of science degree in nursing including SDSU and Point Loma Nazarene College.

Major Courses
BIOL 260  Human Anatomy  4
BIOL 261  Principles of Human Physiology  4
BIOL 265  General Microbiology  4
CHEM 110  Elementary Organic and Biological Chemistry  4
PSYC 101  General Psychology  3
SOC 101  Introduction to Sociology  3
ADN 140  Reading and Composition for Nursing and Allied Health Occupations  3

Total units  25.00

To earn an associate degree, additional General Education and Graduation requirements must be completed.

* Students planning to transfer to a four-year college or university should complete courses specific to the transfer institution of choice. University requirements vary from institution to institution and are subject to change. Therefore, it is important to verify transfer major preparation and general education requirements through consultation with a counselor in either the Counseling Center or Transfer Center.
PROGRAM CORRECTIONS

Transfer Preparation Associate in Arts

Graphic Design

Transfer Preparation * (Major Code: 01090)

Program Description

Designed for the art student desiring to enter the field of graphic communication and intended for students who plan to transfer to a university or seek employment after completion of coursework at Southwestern College. Employment is possible at advertising agencies, design studios, printers, typesetters, sign companies, newspapers, corporate art departments, government agencies, television studios, and publishers. Self-employment as a freelance artist is also an option. In all cases, internships should be part of the preparation for employment.

First Semester

ART 100 Drawing I  3
ART 101 Design I  3
ART 150 Art History Survey—Stone Age to the Ages of Faith  3
ART 159 Graphic Design—Layout  3

Second Semester

ART 102 Drawing II  3
ART 103 Design II  3
ART 161 Graphic Design  3

Third Semester

ART 151 Art History—Renaissance to Modern  3
ART 160 Graphic Design—Typography  3

Fourth Semester

ART 164 Graphic Design—Production  3

Total units 30.00


To earn an associate degree, additional general education and graduation requirements must be completed. See page 49.

* Students planning to transfer to a four-year college or university should complete courses specific to the transfer institution of choice. University requirements vary from institution to institution and are subject to change. Therefore, it is important to verify transfer major preparation and general education requirements through consultation with a counselor in either the Counseling Center or Transfer Center. See catalog TRANSFER COURSES INFORMATION section on page 32 for further information.

NEW COURSES

GEOL 115

Dinosaurs and the Story of Earth
3 Units

Recommended preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent

Lecture: 3 hours

Description

Introduces the Earth’s history and the life it supports. Includes subjects such as geologic dating, global tectonics, stratigraphy, dinosaurs, fossils, biological evolution, the planet’s origin and the processes that have influenced paleogeography during the past 4.6 billion years. [D; CSU]

GEOL 115L

Dinosaurs and the Story of Earth Lab
1 Unit

Recommended preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent

Lab: 3 hours

Description

The laboratory component to Dinosaurs and the Story of Earth lecture course. Subjects include geologic dating, plate tectonics, stratigraphy, fossils, biological evolution, the planet’s origin, and the processes that have influenced paleogeography during the past 4.6 billion years. [D; CSU]

COURSE MODIFICATIONS

Replace on pages 401-402

GEOG 150

Exploring Our World -- Maps and Geospatial Science
3 Units

Prerequisite: MATH 60 or the equivalent skill level as determined by the Southwestern College Mathematics Assessment or equivalent

Recommended preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent

Lecture: 3 hours

Description

Introduces fundamental concepts of geospatial analysis and map interpretation. Includes technologies such as Geographic Information Systems (GIS), Global Positioning Systems (GPS), cartography, remote sensing, geovisualization and interpretation, Internet mapping, and spatial statistics. Explores how geospatial technologies and tools are used in data collection, analysis, presentation, and problem solving. [D; CSU]

GEOG 152

GIS Project Design and Applications
3 Units

Prerequisite: GEOG 145 or equivalent

Lecture: 3 hours

Description

Focuses on the diverse applications of geographic information systems (GIS). Requires students to complete a series of GIS projects, including one of their choice. Includes project design and development, data acquisition, spatial analysis, project report, and presentation. [D; CSU]

Replace on page 419
MATH 45
Elementary Algebra
4 Units
Prerequisite: MATH 35 or the equivalent skill level as determined by the Southwestern College Mathematics Assessment or equivalent
Recommended preparation: RDG 56 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lecture: 4 hours
Description
Emphasizes elementary concepts of algebra, including real numbers, linear equations and inequalities in one variable, graphs of lines and inequalities in two variables, Pythagorean theorem, 2x2 systems, exponents, polynomials, factoring techniques, rational expressions, and applications. [ND]

MEDOP 20
Health Care Essentials
3 Units
Grade only
Recommended preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lecture: 3 hours
Description
Provides an introduction to the healthcare profession. Includes human body structures and functions, basic math computations, infection control protocols and workplace safety, and effective communication skills. Emphasizes the legal and ethical scope of practice for healthcare professionals. [D]

MEDOP 21
3 Units
Grade only
Recommended preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lecture: 3 hours
Description
Focuses on the guidelines for the Current Procedural Terminology (CPT) coding system and the application of the rules to code patient diagnoses and procedures. Provides instruction on ensuring accuracy of diagnostic groupings and adherence to current regulations in code assignment. [D]

MEDOP 25
Medical Assisting—Clinical Practicum
3 Units
Grade only
Recommended preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lecture: 9 hours
Lab: 3 hours
Description
Provides clinical experience in an ambulatory health care setting. Utilizes knowledge of medical assisting practices to support the physician in the provision of patient assessment and care. [D]

MEDOP 27
Physician Office Laboratory Procedures
4 Units
Grade only
Recommended preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lecture: 3 hours
Lab: 3 hours
Description
Trains students to perform the Physician Office Laboratory (POL) diagnostic tests, following the Clinical Laboratory Improvement Amendments (CLIA) and Occupational Safety and Health Administration (OSHA) guidelines. Trains students on the proper techniques complying with asepsis, sanitation, disinfection, and sterilization standards. Trains students to perform patient screening using established protocols, and screen test results. [D]

MEDOP 30
Medical Assisting—Administrative Practicum
3 Units
Grade only
Recommended preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lab: 9 hours
Description
Provides administrative experience in an ambulatory health care setting. Utilizes the knowledge of administrative medical assisting practices to support effective office functions. [D]

MEDOP 35
Medical Assisting—Medical Insurance Billing and Coding Practicum
3 Units
MEDOP 44
Medical Insurance Billing
3 Units
Grade only
Recommended preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lecture: 3 hours
Description
Introduces the student to health insurance and reimbursement. Develops an understanding of common medical billing practices, the health insurance industry, legal and regulatory issues and differences in reimbursement methodologies. Covers principles of medical billing related to proper claim form preparation, submission, and payment processing, and the follow up process. [D]

MEDOP 45
Medical Assisting Comprehensive Practicum
4 Units
Grade only
Recommended preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lab: 12 hours
Description
Provides clinical, administrative, and managed care/insurance practice and experience in an ambulatory healthcare setting. Utilizes the knowledge of medical assisting practice to support the delivery of patient assessment, care, and billing. [D]

MEDOP 121
Electronic Health Records
2 Units
Grade only
Corequisite: MEDOP 133, 135 and MEDOP 236
Recommended preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lecture: 2 hours
Description
Introduces the fundamental principles for creating and maintaining an electronic health record. Reviews the history of the electronic health record and current trends in health care information applications such as clinical information systems, administrative information systems, and management support systems. Explores the transition from a paper-based health record to an electronic health record. [D]

MEDOP 133
Human Structures and Functions
3 Units
Grade only
Corequisite: MEDOP 135
Recommended preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lecture: 3 hours
Description
Introduces the study of human cellular and organ changes that occur with disease and how they affect total body function. Emphasizes medically pertinent concepts required for success in a medical office environment. (This course does not meet the general education natural science requirement for the associate’s degree or biology requirements for the biology and allied health programs.) (Formerly MEDOP 235.) [D; CSU]

MEDOP 135
Human Health and Disease for Medical Office Personnel
3 Units
Prerequisite: MEDOP 230 or equivalent
Recommended preparation: MATH 20 or the equivalent skill level as determined by the Southwestern College Mathematics Assessment or equivalent
RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lecture: 3 hours
Description:
Introduces the study of human cellular and organ changes that occur with disease and how they affect total body function. Emphasizes medically pertinent concepts required for success in a medical office environment. (This course does not meet the general education natural science requirement for the associate’s degree or biology requirements for the biology and allied health programs.) (Formerly MEDOP 235.) [D; CSU]

MEDOP 230
Medical Terminology
3 Units
Grade only
Recommended preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lecture: 3 hours
Description
Provides students with a fundamental knowledge of how medical terms are assembled from word parts (prefixes, word roots, combining forms, and suffixes). Introduces diagnostic tools and procedures, basic pharmacological and other treatment procedures currently used in patient care. [D; CSU]

MEDOP 231
Administrative Medical Assisting Procedures
4 Units
Grade only
Recommended preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lecture: 3 hours
Lab: 3 hours
Description
Prepares medical assisting students to work in physicians’ offices, clinics, hospitals and other medical areas. Covers administrative and clerical functions of a medical assistant including patient reception, scheduling appointments, telephone procedures, medical records management, practice finances, written communication and professional and personal conduct. [D; CSU]

MEDOP 234
Clinical Procedures
4 Units
Grade only
Recommended preparation: RDG 158 or the equivalent
Reading Assessment or equivalent
Lecture: 3 hours
Lab: 3 hours
Description
Trains students assisting the patient and physician in all medical office clinical procedures. Provides students with the essential knowledge to perform and document vital signs, body measurements, electrocardiograms, Physician Office Laboratory tests, and administer medications and immunizations to patients. Instructs students on the proper preparation of instruments and materials for minor surgical procedures and specialty examinations. [D; CSU]

MEDOP 236
Pharmacology for Health Care Professionals
3 Units
Grade only
Prerequisite: MEDOP 230 or equivalent
Reading Assessment or equivalent
Lecture: 3 hours
Lab: 6 hours
Description
Provides students with essential knowledge and current and used practices and procedures employed in the preparation and administration of medications to adults and special groups (elderly and children), emphasizing at all times in the safety for both the health care professional and the patient. [D; CSU]

Replace on page 460

TA 121
Theatre Workshop - Performance II
3 Units
Limitation of Enrollment: Enrollment subject to audition conducted during the first week of class.
Prerequisite: TA 120 or equivalent
Lecture: 1 hours
Lab: 6 hours
Description
Explores the production of intermediate acting techniques for theatre mainstage presentation. Intermediate acting skills and choreography for theatre productions. (Selection by audition.) [D; CSU]

TA 122
Theatre Workshop - Performance III
3 Units
Limitation of Enrollment: Enrollment subject to audition conducted during the first week of class.
Prerequisite: TA 121 or equivalent
Lecture: 1 hour
Lab: 6 hours
Description
Emphasizes performance skills in major supporting roles and character actors, and performance of these roles for a mainstage audience. (Selection by audition.) [D; CSU]

Program Corrections
Replace on page 151

CIS—Internet Emphasis
Course title modifications:

From: CIS 152 ‘Using XHTML and CSS to Create Web Pages’
To: CIS 152 ‘Using HTML and CSS to Create Web Pages’

From: CIS 158 ‘Imaging for the World Wide Web (Photoshop and ImageReady)’
To: CIS 158 ‘Imaging for the World Wide Web (Photoshop)’

Replace on pages 274-275

Pharmaceutical and Laboratory Science (A.S.)
Modified to remove CHEM 161 from the program due to six-semester deletion.

Pharmaceutical and Laboratory Science (CT)
Modified to remove CHEM 161 from the program due to six-semester deletion.

Replace on page 296

Theatre Arts (A.A.)
Course title modifications:
From: TA 110 'Elementary Acting I'
To: TA 110 'Acting I'

From: TA 111 'Elementary Acting II'
To: TA 111 'Acting II'

Discontinued Programs

Computer Sys Intense Trng-Adv (A2136)
Computer Sys Intensive Trg-Bas (02242)
Computer Systems Intensive (02135)
Electronics---Computer Technician (A2907)
Electronics---Computer Technician---Advanced (A2916)
Electronics---Internetwork Technician (A2911)
Electronics---Internetwork Technician---Advanced (A2918)
Electronics---Internetwork Technician---Basic (A2912)
Electronics---Network Administrator (A2913)
Electronics---Network Administrator---Advanced (A2919)
Electronics---Network Administrator---Basic (A2914)
Mobile Electronics---Basic (02902)
Medical Assistant: Administrative Intensive Training (02327)
Medical Assistant: Administrative---Intermediate (02316)
Medical Assistant: Clinical (02321)
Medical Assistant: Clinical---Intensive Training (02324)
Medical Assistant: Clinical---Intermediate (02323)
Medical Assistant: Coding and Insurance---Intermediate (02318)
Medical Asst: Admin Intensive Trng---Bil (Engl/Span) (C2055)
CIS: Internetwork Technician Emphasis---Advanced (02097)
CIS: Microcomputer Applications Emphasis---Advanced (02338)
CIS: Operations/PC Support Specialist Emphasis-Adv (02098)
CIS: Operations/PC Support Specialist Emphasis---Basic (02082)
CIS--eCommerce Emphasis--Advanced (02073)
Microcomputer Office and Tech Support Skills---Basic (02139)
Microcomputer Office/Technical Support Skills---Advanced (02141)
Web Site eCommerce Admin-CT (02128)