NEW PROGRAM

**Elementary Teacher Education**

Associate in Arts for Transfer

Transfer Preparation * (Major Code: 01407)

Designed to prepare students for transfer into a Liberal Studies program at a four-year university by offering students a breadth of study relevant to a California Elementary (Multiple Subject) Teaching Credential. Additional requirements for the Elementary Teacher Education major vary at each CSU campus. Students should verify the major preparation required at the CSU they wish to attend with a counselor.

Program Student Learning Outcome Statement:

* Assess the personality traits necessary to become a successful teacher and evaluate whether teaching is an appropriate career.

Required Core

- ED 200 Teaching as a Profession 3
- OR
- ENGL 200 Teaching as a Profession 3
- CD 170 Principles of Child Development 3
- BIOL 100 Principles of Biology 3
- AND
- BIOL 101 Principles of Biology Laboratory 1
- PHS 101 introduction to the Physical Sciences 3
- AND
- PHS 101L Introduction to Physical Science Laboratory 1
- GEOL 104 Introduction to Earth Science 3
- GEOL 101 General Geology Laboratory 1
- MATH 110 Mathematics for Elementary School Teachers I 4
- COMM 104 Public Speaking 3
- ENGL 115 College Composition: Reading and Writing Analytically 4
- ENGL 220 Introduction to Literature 3
- GEOG 106 World Regional Geography 3
- HIST 106 World History I 3
- HIST 100 American Civilization I 3
- PS 102 Introduction to American Government and Politics 3

List A Select One Course (3-4 Units)

- ENGL 116 Critical Thinking and Composition 4
- OR
- PHIL 103 Logic and Critical Thinking 3
- OR
- COMM 160 Argumentation and Debate 3

List B Select One Course (3 units)

- ART 104 Introduction to Art 3

List C (0-10 additional units - if needed)

Any courses not selected above. Any course that is articulated as lower division preparation for the Liberal Arts, Integrated Teacher Education, or other similar major at a CSU.

- MATH 111 Mathematics for Elementary School Teachers II 4
- OR
- MATH 112 Children's Mathematical Thinking 1
- OR
- ES/T 200 Physical Education for Elementary School 2
- OR
- MUS 103 Musicianship for General Elementary Teachers 3

**Total units** 50.00 - 60.00

**NOTE:**

1. Additional requirements for the Elementary Teacher Education major vary at each CSU campus. It is highly recommended that students meet with counselors to discuss courses that are required by local CSU campuses and encourage students to take some of these additional courses prior to transfer.

2. This TMC has been designed to meet the introductory content area subject matter requirements for teaching at the elementary school level. Careful consideration was given to identify a specific match to CSU general education requirements for transfer.

3. Due to considerable overlap between the major requirements and general education (GE), this TMC presumes that all courses in the TMC do fill the indicated CSU-GE requirement. If the courses at a given college do not currently fill all the indicated GE requirements, colleges may want to pursue further CSU-GE approval, or a TMC-aligned degree may not be possible within the SB 1440-mandated 60 unit maximum for the total degree.

**Journalism**

Associate in Arts Transfer

Transfer Preparation * (Major Code: 01435)

Prepares students for four-year programs leading to Bachelor's degrees and eventual careers in such fields as newspaper or magazine reporting and editing, book editing, industrial journalism, public relations, advertising, radio and television writing, teaching, and communication research. The courses give students an awareness of the impact of mass media on their lives and an understanding of the skills, concepts, and values used by professional communicators.

Required Core

- JOUR 101 Introduction to Mass Communication and Society 3
- OR
- COMM 200 Introduction to Mass Communication and Society 3
Spanish

Associate in Arts Transfer
Transfer Preparation * (Major Code: 01462)

Knowing Spanish gives one the power to successfully communicate with the people of twenty-one Spanish-speaking countries, as well as 20 million Spanish speakers in the United States. After English, Spanish is the most studied language in Europe and Asia as well. In today’s business world, Spanish is widely used as a valuable tool of communication for commercial transactions in the global market. It is one of the five official languages in the United Nations.

The benefit for students completing an Associate in Arts in Spanish for Transfer Degree is that the California State University (CSU) system is required by CEC section 66747 to “guarantee Transfer Degree is that the California State University (CSU) system is required by CEC section 66747 to “guarantee...”

A student admitted under this article shall receive priority over all other community college transfer students, excluding community college students who have entered into a transfer agreement between a community college and the California State University prior to the fall term of the 2012-13.

This degree may not be the best option for students intending to transfer outside of the locally defined CSU service area or to a university or college that is not part of the CSU system. Students should consult with a Southwestern College counselor for admission requirements specific to an intended transfer university.

Program Student Learning Outcome Statement:

- Initiate, sustain and close a variety of uncomplicated communicative tasks in the target language, and handle social situations in a culturally sensitive and collegial manner.

REQUIRED CORE (18-20 units)
OPTION 1 - Spanish for Bilinguals

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 215</td>
<td>Spanish for Bilinguals I</td>
<td>5</td>
</tr>
</tbody>
</table>

Total units: 19.00 - 22.00

Spanish for Bilinguals II 5
Spanish for Non-Native Speakers: 5

Total units: 20.00

Anthropology

Associate in Arts Transfer Preparation * (Major Code: 01720)

Lower-division requirements are not the same for all universities, and there are differences among the areas of specialization. However, the courses listed below meet the lower-division requirements for most universities offering a bachelor’s degree with a major in anthropology.

Program Student Learning Outcome Statement:

- Student will be able to identify and analyze perspectives, major research, trends, cultural significance, and issues pertaining to the scientific evaluation of the human species from the anthropological approach.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 101</td>
<td>Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 102</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 103</td>
<td>Archaeology and Prehistory</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 270</td>
<td>Statistical Methods of Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Replace on page 121
Program Student Learning Outcome Statement:

- Develop and expand their technological skill-set and professional practices through the use of state-of-the-art equipment and software consistent with our profession.

- Enhance their international perspective by direct involvement in classroom discussions, design programs, design projects, historical design issues and cultural and social perspectives that are global in scope, including issues of sustainability and environmental sensitivity.

- Develop a greater sense of self-awareness and interpersonal skills by required participation in team projects.

- Further enhance critical communication skills by requiring them to express not only their solution to design problems, but also demonstrating the process of arriving at these solutions, orally, graphically and three-dimensionally to professionals and fellow students.

- Develop critical thinking skills in a problem/project based curriculum that requires solving spatial, social, engineering and sustainable design problems by developing creative and individual solutions.

FIRST SEMESTER
ARCH 110 Freehand Drawing 3
ARCH 115 Architectural Graphics 3
ARCH 150 Architectural Design I 5

SECOND SEMESTER
ARCH 112 Architectural Rendering 3
ARCH 151 Architectural Design II 3
ARCH 165 Architectural Practice I 3

THIRD SEMESTER
ARCH 200 Introduction to Computer Aided Design 3

Foreign language or Anthropology electives to total six units 6

Total units 18

Replace on page 123

Architecture

Associate in Science Transfer Preparation * (Major Code: 01940)

Designed to provide the student with the creative problem-solving skills and critical thinking processes necessary to successfully complete upper-division baccalaureate work leading to the professional bachelor of architecture degree.

The curriculum fulfills most of the first and second year requirements at some CSU, US, and other baccalaureate institutions. Academic placement at the transfer institution is based upon evaluation of a portfolio of the student’s work.

Students will be required to develop a portfolio of their work for purposes of evaluation by the transfer institution. The courses listed are the architecture courses required to obtain the associate degree in architecture. Students wishing to transfer to the California State University should follow. General Education Breadth Requirement California State University.

Students should review specific course requirements of the transfer institution and consult with a counselor as to which courses taken at Southwestern College will articulate to their chosen college.

Program Student Learning Outcome Statement:

- Develop and expand their technological skill-set and professional practices through the use of state-of-the-art equipment and software consistent with our profession.

- Enhance their international perspective by direct involvement in classroom discussions, design programs, design projects, historical design issues and cultural and social perspectives that are global in scope, including issues of sustainability and environmental sensitivity.

- Develop a greater sense of self-awareness and interpersonal skills by required participation in team projects.

- Further enhance critical communication skills by requiring them to express not only their solution to design problems, but also demonstrating the process of arriving at these solutions, orally, graphically and three-dimensionally to professionals and fellow students.

- Develop critical thinking skills in a problem/project based curriculum that requires solving spatial, social, engineering and sustainable design problems by developing creative and individual solutions.

FIRST SEMESTER
ARCH 110 Freehand Drawing 3
ARCH 115 Architectural Graphics 3
ARCH 150 Architectural Design I 5

SECOND SEMESTER
ARCH 112 Architectural Rendering 3
ARCH 151 Architectural Design II 3
ARCH 165 Architectural Practice I 3

THIRD SEMESTER
ARCH 200 Introduction to Computer Aided Design 3

OR
ARCH/SES 201
Beginning Building Information Modeling 3
ARCH 235 Structures 3
ARCH 252 Architectural Design III 3
ARCH 265 Architectural Practice II 3

FOURTH SEMESTER
ARCH 222 Environmental Controls 2
ARCH 253 Architectural Design IV 3
ARCH 266 Architectural Practice III 2

Total units 39

Recommended Electives: ARCH 204, 205, 208, 210

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.

Replace on page 124

Architecture Technology

Associate in Science Career/Technical * (Major Code: 02840)

Designed to provide the student with the skills and technical knowledge required for employment as technicins in the environmental design departments of architecture, landscape architecture, urban planning, and environmental research. Students also are placed within the building construction industry and its allied professions.

Program Student Learning Outcome Statement:

- Develop and expand their technological skill-set and professional practices through the use of state-of-the-art equipment and software consistent with our profession.

- Enhance their international perspective by direct involvement in classroom discussions, design programs, design projects, historical design issues and cultural and social perspectives that are global in scope, including issues of sustainability and environmental sensitivity.

- Develop a greater sense of self-awareness and interpersonal skills by required participation in team projects.

- Further enhance critical communication skills by requiring them to express not only their solution to design problems, but also demonstrating the process of arriving at these solutions, orally, graphically and three-dimensionally to professionals and fellow students.

- Develop critical thinking skills in a problem/project based curriculum that requires solving spatial, social, engineering and sustainable design problems by developing creative and individual solutions.

FIRST SEMESTER
ARCH 110 Freehand Drawing 3
ARCH 115 Architectural Graphics 3

Recommended Electives: ARCH 204, 205, 208, 210

OR
ARCH/SES 201
Beginning Building Information Modeling 3
ARCH 235 Structures 3
ARCH 252 Architectural Design III 3
ARCH 265 Architectural Practice II 3

FOURTH SEMESTER
ARCH 222 Environmental Controls 2
ARCH 253 Architectural Design IV 3
ARCH 266 Architectural Practice III 2

Total units 39

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.
ARCH 150  Architectural Design I  5

SECOND SEMESTER
ARCH 112  Architectural Rendering  3
ARCH 151  Architectural Design II  3
ARCH 165  Architectural Practice I  2

THIRD SEMESTER
ARCH 200  Introduction to Computer Aided Design  3
OR
ARCH/SES 201  Beginning Building Information Modeling
ARCH 235  Structures  3
ARCH 265  Architectural Practice II  2

FOURTH SEMESTER
ARCH 209  Construction Surveying  3
ARCH 210  World Architecture II  3
ARCH 222  Environmental Controls  2
ARCH 266  Architectural Practice III  2

Total units  37

Replace on page 125

Program Student Learning Outcome Statement:

• Develop and expand their technological skill-set and professional practices through the use of state-of-the-art equipment and software consistent with our profession.

• Enhance their international perspective by direct involvement in classroom discussions, design programs, design projects, historical design issues and cultural and social perspectives that are global in scope, including issues of sustainability and environmental sensitivity.

• Develop a greater sense of self-awareness and interpersonal skills by required participation in team projects.

• Further enhance critical communication skills by requiring them to express not only their solution to design problems, but also demonstrating the process of arriving at these solutions, orally, graphically and three dimensionally to professionals and fellow students.

• Develop critical thinking skills in a problem/project based curriculum that requires solving spatial, social, engineering and sustainable design problems by developing creative and individual solutions.

GAINFUL EMPLOYMENT:

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that "prepares students for gainful employment in a recognized occupation."

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: www.swccd.edu/gainfulemployment

FIRST SEMESTER
ARCH 140  Freehand Drawing  3
ARCH 115  Architectural Graphics  3
ARCH 150  Architectural Design I  5

SECOND SEMESTER
ARCH 112  Architectural Rendering  3
ARCH 151  Architectural Design II  3
ARCH 165  Architectural Practice I  2 3

THIRD SEMESTER
ARCH 200  Introduction to Computer Aided Design  3
OR
ARCH/SES 201  Beginning Building Information Modeling (3)
ARCH 235  Structures  3
ARCH 265  Architectural Practice II  2 3

FOURTH SEMESTER
ARCH 201  Beginning Building Information Modeling  3
ARCH 209  Construction Surveying  3
ARCH 210  World Architecture II  3
ARCH 222  Environmental Controls  2
ARCH 266  Architectural Practice III  2

Total units  37 31

Recommended Electives: ARCH 204, 205

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Business Administration

Certificate of Achievement Career/Technical  (Major Code: 0A2842)

Associate in Science Transfer Preparation  (Major Code: 01105)

This degree prepares students for transfer admission to any California State University campus within the field of Business Administration. This major is designed to equip students with the knowledge, skills, practices, and values to understand the complex and changing global business environment.

Individual courses promote comprehension of the field, foster problem solving, and provide basic analytical and conceptual skills.

In addition to meeting the requirement for transfer to any California State University (such as SDSU, for example), the courses listed meet the lower-division requirements for most universities offering a bachelor's degree with a major in business or accounting.

REQUIRED CORE (17 UNITS)

BUS 140  Business Law/The Legal Environment of Business  3
ECON 101  Principles of Economics I  3
ECON 102  Principles of Economics II  3
ACCT 101  Principles of Accounting I  4
ACCT 102  Principles of Accounting II—Managerial  4

List A (4 units) (select one)

OR

MATH 119  Elementary Statistics  4
MATH 120  Calculus for Business Analysis  4
LIST B (8 units) (select two - and any course from List A not already used)

CIS 101 Introduction to Computers and Information 4
BUS 212 Business Communication Processing 3
MATH 119 Elementary Statistics 4
OR
MATH 120 Calculus for Business Analysis 4

Total units 28–29

* 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.

Gainful Employment website at: www.swccd.edu/gainfulemployment

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Transfer Center.

Replace on page 147

Entrepreneurship and Small Business---Intermediate

Certificate of Achievement Career/Technical * (Major Code: A01155)

Designed for either prospective and current owners or managers of a small business. Emphasizes further development of skills learned in the basic program to enhance the concepts of bookkeeping, law, small business operations management, and the promotion and sale of products and/or services.

Program Student Learning Outcome Statement:

• Students will describe and summarize entrepreneur business solutions in creating a small business opportunity.

GAINFUL EMPLOYMENT:

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that "prepares students for gainful employment in a recognized occupation."

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: www.swccd.edu/gainfulemployment

BUS 174 Introduction to Marketing and Social Media Practices (3)
BUS 145 Financial Management for Small Business 1
BUS 211 Communication in Business and Industry OR
BUS 212 Business Communication 3
BUS 290-293 Work Experience in Business I-IV (2-4) 2

Plus completion of the Entrepreneurship and Small Business---Basic Certificate Program. 13 - 16

Total units 33–38.30-35

It is recommended that students complete the Entrepreneurship and Small Business---Basic Certificate Program plus half of the courses required for the Entrepreneurship and Small Business---Intermediate certificate program prior to enrolling in BUS 290-293.

Replace on page 153

Child Development Teacher Permit Certificate

Certificate of Achievement Transfer Preparation * (Major Code: B2722)

Designed to prepare students as preschool teachers and qualify for State Permit on the Teacher Permit level.

Program Student Learning Outcome Statement:

• Upon completion of the program students will be able to apply and identify major concepts of child development and demonstrate the skills necessary to guide young children in a classroom context.

GAINFUL EMPLOYMENT:

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that “prepares students for gainful employment in a recognized occupation.”

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: www.swccd.edu/gainfulemployment

FIRST SEMESTER

CD 170 Principles of Child Development 3
CD 170L Principles of Child Development Laboratory 1
CD 284 Child, Family, and Community OR
CD 135 Principles of Family Development 3
CD 283 Emerging Literacy 3

SECOND SEMESTER

CD 190 Observation and Guidance for Child Development 3
CD 181 Curriculum Planning for Child Development 3
CD 184 Observation and Documentation 3
Complete 3 units from Group 1 3

Replace on page 153
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD 282A</td>
<td>Child Development Field Practicum</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 115</td>
<td>College Composition: Reading and Writing</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td>SPAN 101</td>
<td>Elementary Spanish I (5)</td>
</tr>
<tr>
<td>OR</td>
<td>SPAN 215</td>
<td>Spanish for Bilinguals I (5)</td>
</tr>
<tr>
<td>OR</td>
<td>COMM 103</td>
<td>Oral Communication (3)</td>
</tr>
<tr>
<td></td>
<td>Complete 6 units from Group 2</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Total units</td>
<td>43–49</td>
</tr>
</tbody>
</table>

**FOURTH SEMESTER**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>CD 282B</td>
<td>Advanced Child Development Field Practicum</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 140</td>
<td>Environmental Biology (3)</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>LNT 100</td>
<td>Plant and Horticulture Science (4)</td>
</tr>
<tr>
<td>OR</td>
<td>SOC/ PSYC 270</td>
<td>Statistical Methods of Sociology (3)</td>
</tr>
<tr>
<td>OR</td>
<td>MATH 101</td>
<td>College Algebra (3)</td>
</tr>
<tr>
<td></td>
<td>Complete 6 units from Group 3 (or 3 units if SPAN 101 or 215 were completed)</td>
<td>3–6</td>
</tr>
</tbody>
</table>

The following certificate track is designed for students seeking an entry-level position as a Geospatial Technology Technician. The program introduces both geospatial concepts and applications (including Geographic Information Systems (GIS), remote sensing, and image analysis). Special emphasis is on hands-on experience with the hardware, software, and techniques employed in science, industry, and academia. All of the core courses in this certificate track are short-track (8-weeks in length) and 100% online; the internship course (GEOG 153) will take place on campus or at a private or public entity.

Geospatial Technology integrates innovative tools and techniques that enables users to view and analyze temporal and spatial information in an exciting, dynamic, and productive fashion. Ultimately, geospatial technology (including GIS, remote sensing, and image analysis) helps one solve problems by looking at data in a way that is readily understood and easily shared. Today, a significant need exists within the workforce for personnel trained as Geospatial Technology Technicians. For further information visit http://www.swccd.edu/~gis or contact Professor Ken Yanow (kyanow@swccd.edu).

**Program Student Learning Outcome Statement:**

- Students will be able to communicate their understanding and analysis results by making maps, writing research papers and technical reports, and developing multimedia presentations. Specifically, they should be able to demonstrate the principles of cartography and the convention of map making.

- Students will develop capabilities and technical skills to apply scientific research methods (in both natural and social sciences) to observe, collect, and process geographic data; to perform analysis based on the knowledge, theories and principles in geography; and to draw quantitative and qualitative conclusions. Specifically, they should be able to demonstrate the following: The capability to observe, collect, and process geographic data with state of the art technology, including GIS, Remote Sensing, GPS, field data collection instruments, as well as obtaining data from document and literature.

- Students should be able to demonstrate the capability to perform data analysis based on critical thinking skills and use of technical and quantitative methods, including GIS, Remote Sensing, modeling software, and statistical methods.

**GAINFUL EMPLOYMENT:**

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that “prepares students for gainful employment in a recognized occupation.”

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: www.swccd.edu/gainfulemployment

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>GEOG 145</td>
<td>Introduction to Mapping and Geographic Information Systems (GIS)</td>
<td>3</td>
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<tr>
<td>GEOG 150</td>
<td>Exploring Our World—Maps and Geospatial Science</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 152</td>
<td>GIS—Project Design and Applications</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 154</td>
<td>Introduction to Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>PHS 154</td>
<td>Introduction to Image Analysis</td>
<td>3</td>
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<tr>
<td>GEOG 155</td>
<td>Introduction to Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>PHS 155</td>
<td>Introduction to Image Analysis</td>
<td>3</td>
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</tbody>
</table>
Floral Design Emphasis
Certificate of Achievement
Transfer Preparation * (Major Code: 02823)

Program Student Learning Outcome Statement:

- Graduates of this program will be able to plan, organize, and develop a budget for the floral arrangements for a convention or business event.

GAINFUL EMPLOYMENT:

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that "prepares students for gainful employment in a recognized occupation."

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: www.swccd.edu/gainfulemployment

REQURED MAJOR COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>LNT 100</td>
<td>Plant and Horticultural Science</td>
<td>4</td>
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<tr>
<td>LNT 106-112</td>
<td>Plant Identification courses</td>
<td>1</td>
</tr>
<tr>
<td>LNT 136</td>
<td>Plant Pest and Disease Control</td>
<td>3</td>
</tr>
<tr>
<td>LNT 138</td>
<td>Floral Design I</td>
<td>3</td>
</tr>
<tr>
<td>BUS 148</td>
<td>Developing and Starting a New Business</td>
<td>3</td>
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<tr>
<td>OR</td>
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<tr>
<td>BUS 144</td>
<td>Advertising and Promotional Strategy</td>
<td>1</td>
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<td>AND</td>
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<tr>
<td>BUS 146</td>
<td>Financial Management for Small Business</td>
<td>1</td>
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<tr>
<td>AND</td>
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<tr>
<td>BUS 147</td>
<td>Successful Selling Techniques</td>
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<tr>
<td>COMM 174</td>
<td>Interpersonal Communication</td>
<td>3</td>
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<tr>
<td>PD 200-293</td>
<td>Occupational Cooperative Education I-IV</td>
<td>8</td>
</tr>
<tr>
<td>LNT 95</td>
<td>Portfolios, Presentations, and Consultations for</td>
<td>4</td>
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<tr>
<td></td>
<td>Floral Design</td>
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<tr>
<td>LNT 110</td>
<td>Plant Identification: Annuals and Perennials</td>
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<td>LNT 118</td>
<td>Plant Identification for Floral Design</td>
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<td>LNT 140</td>
<td>Floral Design II</td>
<td>3</td>
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<tr>
<td>LNT 141</td>
<td>Floral Design III (1)</td>
<td>2</td>
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<td>OR</td>
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<tr>
<td>LNT 147</td>
<td>Wedding Design and Event Planning (2)</td>
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<tr>
<td>PD 209-293</td>
<td>Occupational Cooperative Education I-IV</td>
<td>8</td>
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</tbody>
</table>

Total units: 36

Recommended Electives: BUS 174, LNT 95, 118, 146, 148, ART 121, BUS 144, 145, 147, 148, COMM 174

Surgical Technology
Certificate of Achievement
Career/Technical * (Major Code: 02346)

Prepares the student to function in operating rooms under the direct supervision of physicians and nurses. A major portion of the learning experience will take place in hospital operating rooms.

Program Student Learning Outcome Statement:

- Upon completion of the program, the student will demonstrate the ability to articulate professionally and competently in perioperative setting.
- Upon completion of the program, the student will demonstrate the ability to analyze patient data related to their surgical condition and adjust the patient’s intraoperative plan of care according to the findings.
- Upon completion of the program, the student will analyze, compute and adjust operative equipment and instrument settings for the surgical patient in the perioperative setting.
- Upon completion of the program, the student will demonstrate collegiality and appropriate communication techniques when working with diverse healthcare providers and patients in the perioperative setting.
- Upon completion of the program, the student will demonstrate critical thinking skills and differentiation in provision of intraoperative care for patients from various cultural backgrounds.

GAINFUL EMPLOYMENT:

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that "prepares students for gainful employment in a recognized occupation."

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: www.swccd.edu/gainfulemployment

PREREQUISITES

Acceptance into the Surgical Technology program

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td>BIOL 190</td>
<td>Human Anatomy and Physiology (4)</td>
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<td>OR</td>
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<td>BIOL 260</td>
<td>Human Anatomy (4)</td>
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AND

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<td>MEDOP 230</td>
<td>Medical Technology (3)</td>
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FIRST SEMESTER

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<tr>
<td>ST 110</td>
<td>Introduction to Surgical Technology</td>
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<tr>
<td>ST 120</td>
<td>Surgical Laboratory</td>
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SECOND SEMESTER

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<td>ST 130</td>
<td>Advanced Operating Room Techniques</td>
<td>4</td>
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<tr>
<td>ST 140</td>
<td>Practicum: Major Surgical Specialties</td>
<td>8</td>
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<tr>
<td>ST 150</td>
<td>Current Concepts in Surgical Technology</td>
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</tbody>
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Replace on page 286
Telemedia Production Specialist

Associate in Science
Career Technical * (Major Code: 02530)

Prepares students to pursue careers as telemedia specialists and media production consultants in telecommunications, public relations, industry, education, government, and medical institutions. Students will learn needs analysis, scripting, graphics, studio and field production, and editing as applied to the production of media, such as instructional, documentary, and broadcast.

Program Student Learning Outcome Statement:

- Students will utilize Production Books to communicate the design, acquisition and post production requirements to their team members in order to produce complete motion picture productions.

- By undertaking a comprehensive video production students will participate in a collaborative environment that promotes the sharing and evaluation of creative contributions.

- Students will demonstrate their understanding of fundamental pre-production, production and post-production concepts by completing a three to five minute video project which will integrate camera, lighting, sound and editing techniques.

**Total units** 32–35

Recommended Electives: BUS 147, 174, 183, 210; ELEC 10A, 10B, 14; TELE 114, 115, 132, 233, 234, 242, 244; HLTH 101.

To earn an associate degree, additional general education and graduation requirements must be completed. See page 62.