

FIRST SEMESTER

SPAN 215	Spanish for Bilinguals I	5
SPAN 225	Intermediate Conversation and Writing on Spanish Culture (3) OR	3
SPAN 226	Intermediate Conversation and Writing on Latin American Culture (3)	

SECOND SEMESTER

SPAN 216	Spanish for Bilinguals II	5
SPAN 225	Intermediate Conversation and Writing on Spanish Culture (3) OR	3
SPAN 226	Intermediate Conversation and Writing on Latin American Culture (3)	

THIRD SEMESTER

SPAN 221	Introduction to Literature for Bilinguals	5
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FOURTH SEMESTER

Complete 6 units from the following courses:		6
BUS 225	Interpretation and Translation: General Business (3)	
BUS 226	Interpretation and Translation: Legal (3)	
BUS 227	Interpretation and Translation: Medical (3)	
BUS 233	Interpretation and Translation: Immigration (3)	
BUS 234	Advanced Interpretation and Translation: Legal (3)	
Total units		27

Recommended Elective: BUS 229

Note: SDSU and other transfer institutions will not grant credit for graduation for any lower-division courses to students who have graduated from a high school in a Spanish-speaking country.

To earn an associate degree, additional general education and graduation requirements must be completed. See page 64.

- * 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 45 for further information.

CERTIFICATE**SPANISH PROFICIENCY****CERTIFICATE OF PROFICIENCY****CAREER/TECHNICAL (MAJOR CODE: 01461)**

Prepares students to successfully and professionally use oral and written formal Spanish in the community and the marketplace.

Program Student Learning Outcome Statement

- Able to communicate in a linguistically and culturally appropriate manner in professional situations within a Spanish-speaking community.

SPAN 215	Spanish for Bilinguals I (5)	
SPAN 216	Spanish for Bilinguals II (5) OR	10
SPAN 216	Spanish for Bilinguals II (5)	
SPAN 221	Introduction to Literature for Bilinguals (5)	

Complete one course from the following courses: **3**

BUS 225	Complete Interpretation and Translation: General Business (3)	
BUS 226	Interpretation and Translation: Legal (3)	
BUS 227	Interpretation and Translation: Medical (3)	
BUS 233	Interpretation and Translation: Immigration (3)	
BUS 234	Advanced Interpretation and Translation: Legal (3)	
LEGL 257	International Business and Legal Communication: Spanish (3)	
Total units		13

SUSTAINABLE ENERGY STUDIES**SCHOOL OF BUSINESS AND TECHNOLOGY**

DEAN: Mink Stavenga, DBA, Office 470K, 619-482-6569

DEPARTMENT CHAIR: Marie Vicario-Fischer, M.S., M.P.H.



GENERAL DESCRIPTION

Introduces the student to the study of the growth of the human population and its effects on energy and climate demands with an emphasis on landscaping and the built environment. Studies the relationship between human biology and the environment as applied to building design. Emphasizes sustainable building design, passive energy strategies, and the application of appropriate heating, cooling, and ventilation systems. A hands on study of energy auditing methods of existing homes as they are now constructed, analysis of residential design and strategies for energy efficiency. Prepares the student to take the California H.E.R.S. level 1 certification exam.

CAREER OPTIONS

Below is a sample of the career options available for the Sustainable Energy Studies major: Energy auditors and home energy raters, building control systems technicians, compliance analyst or energy regulation specialist, HVAC mechanics, technicians or installers, sustainable landscape professional, landscape irrigation auditor, and sustainable landscape designer.

DEGREE/CERTIFICATE OPTIONS

MAJOR CODE

Associate in Science Degree: Career/Technical

Sustainable Landscape Practices 02612

Certificate of Achievement

Sustainable Energy Studies 02471

Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.

ASSOCIATE IN SCIENCE DEGREE

SUSTAINABLE LANDSCAPE PRACTICES

ASSOCIATE IN SCIENCE DEGREE

CAREER /TECHNICAL (MAJOR CODE: 02612)

Trains students to become proficient in the many skills needed to evaluate residential and urban landscapes for sustainable practices in design, installation, and maintenance. Careers related to this degree include Sustainable Landscape Professional, Landscape Irrigation Auditor, and Sustainable Landscape Designer.

Program Student Learning Outcome Statement:

- Graduates of this program will be able to perform a complete water audit and compile their results in a written format.
- The graduate will be able to make recommendations for the programming and improvement of the irrigation system to save water and prevent water loss from the property.
- When provided a set of landscape design drawing, the graduate of this program will analyze and recommend design, installation, and maintenance practices that are not only sustainable, but fall within the local codes of the City of Chula Vista.

LNT/SES 101	Introduction to Sustainable Energy Studies	3
LNT 91	Sprinkler System Maintenance: Sprinklers, Pipes, and Backflow Devices	1
LNT 92	Sprinkler System Maintenance: Valves and Wiring	1
LNT 93	Sprinkler System Maintenance: Controllers and Scheduling	1
LNT 100	Plant and Horticultural Science	4
LNT 102	Plant Identification: Deciduous Trees	1
LNT 103	Plant Identification: Conifers and Palms	1
LNT 104	Plant Identification: Broadleaf Trees	1
LNT 106	Plant Identification: Flowering Shrubs	1
LNT 107	Plant Identification: Foliage Shrubs I	1
LNT 108	Plant Identification: Foliage Shrubs II	1
LNT 119	Plant Identification: Xeriphytic Plants	3
LNT 120	Landscape Design I	4
LNT 127	Landscape Construction: Sprinkler Installation	1
LNT 128	Sprinkler Design	3
LNT 129	Sustainable Landscape/Water Auditor	3
LNT 134	Soils	3
LNT 136	Plant Pest and Disease Control	3

Total units **36**

To earn an associate degree, additional general education and graduation requirements must be completed. See page 64.



CERTIFICATES

SUSTAINABLE ENERGY STUDIES

CERTIFICATE OF ACHIEVEMENT

CAREER/TECHNICAL (MAJOR CODE: 02471)

Introduces the student to the study of the growth of the human population and its effects on energy and climate demands with an emphasis on landscaping and the built environment. Studies the relationship between human biology and the environment as applied to building design. Emphasizes sustainable building design, passive energy strategies, and the application of appropriate heating, cooling, and ventilation systems. A hands-on study of energy auditing methods of existing homes as they are now constructed, analysis of residential design and strategies for energy efficiency. Prepares the student to take the California Home Energy Rater System (H.E.R.S). level 1 certification exam.

Program Student Learning Outcome Statement:

- Student will demonstrate by written report how a home can be energy efficient with the natural and build environment.
- Student will convert text examples into hands on experience providing written documentation to substantiate findings.
- Student will investigate and analysis a given problem and then provide a solution that fits a given set of criteria demonstrating his finding in a written report
- Student will demonstrate knowledge of natural and man-made environmental issues that affect the global warming and world economy, analysis and assess those issues as they apply to the local and economic environment organized in a graphic and written report.
- Student will perform site analysis/reconnaissance, home energy audit and energy code compliance to evaluate the energy efficiency of a given building, assessing the outcome of the study in comparison to given set data/ criteria employing the use of a written and graphic report.

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.

SES/LNT 101	Introduction to Sustainable Energy Studies	3
SES/CI 105	California Green Code and Sustainable Technologies	3
SES 110	Introduction to Building Science	3
SES 120	The Energy Efficient Building	3
SES/ARCH 201	Beginning Building Information Modeling	3
SES 205	Building Energy Analysis Using BIM	3
Total units		18

TELEMEDIA

SCHOOL OF ARTS, COMMUNICATION, AND SOCIAL SCIENCES

ACTING DEAN: William Kinney, M.A., Office 702B, 619-482-6372

FACULTY: Mark Sisson, M.F.A.

DEPARTMENT CHAIR: Rebecca Wolniewicz, Ph.D.

GENERAL DESCRIPTION

Telemedia is the study of television, video, film, and related new media. It combines elements of the visual and performing arts with writing, speech, engineering, computer science, theory, history, technology, criticism, literature, law, psychology, sociology, and management in the production of visual and aural communications. Telemedia explores the broadening implications of producing media for new wider Internet and other distribution opportunities.

CAREER OPTIONS

Below is a sample of the career options available for the telemedia major. Most of these require a certificate of achievement or an associate in arts degree, some require a bachelor's degree, and a few require a graduate-level degree: possible career options include producer, director, art director, advertising agent, broadcaster, special effects technician, camera operator, studio manager, actor, scriptwriter, grip, high school or college instructor, performance artist, computer graphics artist, animator, editor, and communication manager.

