LIFE SCIENCE

DEGREES, CERTIFICATES AND AWARDS
Associate in Science Degree (A.S.)

DESCRIPTION
Life Science is defined as any one of the branches of science concerned with the structure and behavior of living organisms, such as biology, botany, zoology, physiology, or biochemistry. This curriculum is designed to provide the beginning basics of a two-year transfer program with emphasis on the uniformity and diversity of life. The course requirements fulfill the lower division requirements for such majors as biology, dentistry, liberal studies, medicine, nursing, pharmacy, environmental health, and microbiology. Please consult with a counselor for assistance on identifying the correct course sequencing for your field of study.

ASSOCIATE DEGREE AND CERTIFICATE OF ACHIEVEMENT PROGRAMS

The Associate in Arts (AA) or the Associate in Science (AS) Degree involves satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all IVC district requirements for the associate's degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition students must maintain a minimum grade point average and meet the minimum grade requirements of their program. Detailed information is available in the college catalog.

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree at Imperial Valley College may not be the same as those required for completing the major at a transfer institution offering a bachelor's degree. Students who plan to transfer to a four-year college or university should schedule an appointment with an IVC Counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine
www.CSUMentor.org – CSU System Information
www.universityofcalifornia.edu/admissions/index.html - UC System Information
www.aiccu.edu – California Independent Colleges and Universities, Association of
http://wiche.edu/wue - Western Undergraduate Exchange Programs

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that IVC offers a full array of financial aid programs – grants, work study, scholarships, and fee waivers (we do not participate in the federal loan programs). These programs are available to both full and part time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information: www.imperial.edu/students/financial-aid-and-scholarships/

CAREER OPPORTUNITIES

Of the career opportunities identified many will usually require the completion of degree requirements at 4-year colleges and universities.

- Agronomist
- Anatomist
- Animal Scientist
- Biochemist
- Biomedical Engineer
- Biophysicist
- Botanist
- Developmental Biologist
- Ecologist
- Medical Laboratory Technician
- Epidemiologist
- Food Scientist
- Forester
- Geneticist
- Horticulturist
- Immunologist
- Marine Biologist
- Medical Illustrator
- Microbiologist
- Mycologist
- Nutritionist
- Paleontologist
- Pathologist
- Pharmacologist
- Physiologist
- Science Teacher
- Science Writer
- Zoologist

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at IVC. Please click on our Programs of Study link to view the information for each certificate program: http://www.imperial.edu/courses-and-programs/programs-of-study/
ASSOCIATE DEGREE PROGRAM

LIFE SCIENCE MAJOR – A.S. DEGREE
Twenty-four (24.0) units required for the major.

ALL COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

I. Select a minimum of 18.0 units from the following:
   ANTH 100 Physical Anthropology 3.0
   BIOL 120 General Zoology I 4.0
   BIOL 122 General Zoology II 4.0
   BIOL 140 General Botany 3.0
   BIOL 150 Human Genetics 3.0
   BIOL 180 General Biology: Molecules, Cells and Genetics 4.0
   BIOL 182 General Biology: Principles of Organismal Biology 4.0
   BIOL 200 Human Anatomy & Physiology I 4.0
   BIOL 202 Human Anatomy & Physiology II 4.0
   BIOL 204 Human Anatomy 4.0
   BIOL 206 Human Physiology 4.0
   BIOL 220 General Microbiology 5.0

II. Select a minimum of 6.0 units from the following:
   AG/ENVS 110 Environmental Science (3.0)
   CHEM 200 General Inorganic Chemistry I (5.0)
   CHEM 202 General Inorganic Chemistry II (5.0)
   CHEM 204 Organic Chemistry I (5.0)
   CHEM 206 Organic Chemistry II (5.0)
   GEOL 100 General Geology (4.0)
   GEOL 110 Earth and Space Science (3.0)
   MATH 119 Elementary Statistics (4.0)

Total Major Units 24.0
IVC Graduation Requirements and GE Pattern: 30.0
Electives (as needed to reach 60 degree applicable units) 
Total Maximum Units: 60.0