

# COMPUTERS

VVC has six departments that offer associate's degree and certificate programs for students interested in computers. See the specific listings for more information. Students can transfer from VVC to a university and study the computing field in more depth, earning a Bachelor of Arts (BA) or a Bachelor of Science (BS) degree.

Programs range from:

- "Pure" computing in such university departments as Computer Information Science and Computer Science (lots of math and science required), to
- Game Design, Web Programming, and Graphics Programming (math through calculus required), to
- Management Information Systems (MIS) within a Business major.

Visit the assist (<https://assist.org/>) website to explore which universities offer programs in these fields, and to learn about what courses you can take at VVC before transferring.

## 3D Animation (ANIM)

Victor Valley College offers state of the art training in 3D Computer Animation for all age levels and skill sets. Courses range from beginning to advanced, with no previous experience needed for any of the department's beginning classes. Several certificates are also available for students who complete a series of courses. Victor Valley College's 3D animation courses teach students how to 'use the tool.' Students are given the flexibility to apply the skills that they've learned in whatever area or discipline they choose. Individuals learn the important, core concepts and principles while being able to concentrate on the applications that most interest them. Visit the department page (<https://catalog.vvc.edu/degrees-certificates/3d-animation/>) and speak to department representatives for more details.

## Architectural Drafting and Design (ARCH)

Victor Valley College offers an Architectural Drafting program with preparatory courses for transfer into a School of Architecture. These courses are offered through our Architecture Drafting and Design Program. Students can obtain Architecture related certificates that will prepare them to enter into a School of Architecture at the university level with an Associate in Science degree or go directly into the workforce. A portfolio of each prospective student's work is usually required with the application. Therefore, students need to contact the college of choice early in their education to assure proper preparation and presentation of their work. Visit the department page (<https://catalog.vvc.edu/degrees-certificates/architecture/>) and speak to department representatives for more details.

## Business Education Technologies (BET)

Programs in this department prepare students with professional office skills and procedures to function in high-tech business offices. Instruction is offered in most of the major software programs currently in use, such as Microsoft Word, Excel, PowerPoint, Access, etc. Certificates include Administrative Assistant and Medical Office Management, among others. Visit the department page (<https://catalog.vvc.edu/degrees-certificates/business-education-technologies/>) and speak to department representatives for more details.

## Computer Information Systems (CIS)

CIS represents computing within both the Computer Science and Business disciplines. The computer science areas are oriented toward computer programming as used in writing programs and applications, and web authoring. The business areas include developing and managing database applications, networking, and operating systems. University transfer, vocational (employment), and industry certification tracks are available. Visit the department page (<https://catalog.vvc.edu/degrees-certificates/computer-information-science/>) and speak to department representatives for more details.

## Electronics and Computer Technology (ELCT)

Coursework and degrees from this field prepare students for high-tech careers in engineering and technology, computer technology, tele-communication, CISCO networking, cabling, PC Microsoft Certified Systems Engineer (MCSE), etc. Visit the department page (<https://catalog.vvc.edu/degrees-certificates/electronics-computer-technology/>) and speak to department representatives for more details.

## Engineering Drafting and Design (ENGD)

Victor Valley College does not offer an Engineering program for transfer, but does however offer preparatory courses needed for transfer into a School of Engineering. These courses are offered through our Chemistry, Electronics, Engineering Drafting and Design, Mathematics, and Physics departments. Students can obtain Engineering related certificates that will assist in preparing them to enter into a School of Engineering at the university level. The Mathematics, AS-T; Math/Science, AS; or Physics, AS degrees are highly recommended for those students wanting to transfer into a School of Engineering. Students seeking the Engineering Drafting and Design, AS are positioned to enter straight into the workforce. Visit the department page (<https://catalog.vvc.edu/degrees-certificates/engineering/>) and speak to department representatives for more details.