EDUCATIONAL MASTER PLAN

2012 and Beyond

ADDENDUM TO COLLEGE INSTRUCTIONAL & STUDENT SERVICES PROGRAMS

as of June 2013
ADDENDUM TO COLLEGE INSTRUCTIONAL & STUDENT SERVICES PROGRAMS

Aviation (0950)

Program Description

As you read further in this document you will note that there will be a positive cash flow as the generated FTE will surpass the program expenses. A substantive change has been granted by ACCJA to offer these courses at SCLA - Victorville Airport. The SCLA authority is providing building # 717B with 5,986 square feet and hanger # 732 with 12,444 square feet of operating space, rent-free to the district. They are considering the status of utility costs as well. The Aviation Technology Department originated some years after the college started in 1961 and was based upon current aviation industry driven needs. The department was discontinued in the 1970’s and there was little emphasis on re-activating the program until then President Pat Spencer was approached by local aviation companies and the Victorville Airport and asked to activate the training program again. Through this collaboration, the Victor Valley Aviation Education Consortium (VVAEC) was established and the Southern California Logistical Airport (SCLA) School of Aviation Technology was started. Technology had changed so much in one decade, that new curriculum had to be written and approved by both the curriculum committee and the Chancellor’s Office.

After obtaining Federal Aviation Regulation (FAR) Part 147, which is the FAA-Approved certification, the school operated for about three years. Over this time, they graduated over 70 students as licensed airframe and powerplant (A&P) technicians. The aviation school operated independently at the former George Air force Base now known as SCLA until 2011, at which time the Aviation Advisory Committee asked to have the management of the program transferred to VVC due to its accreditation and their student’s ability to gain financial aid. Another factor in this decision was that there was a tendency for local based employers to look more favorably upon potential locally trained employees with an associate’s or bachelor’s degree. Also, some schools already had begun to award 2 or 4-year degrees in avionics, aviation technology, or aviation maintenance management. This course trains, prepares and qualifies the A&P student to take and pass the Federal Aviation Administration (FAA) standard written, oral, and practical exams in order to acquire a mechanic rating recognized worldwide. The student mechanic learns how to inspect, repair and perform maintenance on all types of aircraft ranging from small general aviation aircraft to long-range large-capacity jumbo jets utilized by the commercial airline industry. Most mechanics and technicians learn their trade at an FAA-Approved Aviation Maintenance Technician School. Coursework
normally lasts 18 to 24 months and provides training with the tools and equipment used on the job.

When the student satisfactorily completes training, they go to the FAA, which administers the written examinations through computer testing centers, and then go to a certified FAA Designated Mechanic Examiner (DME), who administers the oral and practical portion of the certificate on a fee for service basis. Increasingly, aircraft trade schools are placing more emphasis on technologies being used in new airplanes, such as turbine engines, composite materials, and aviation electronics. These technical advances require mechanics to have stronger backgrounds in composite materials and electronics. Courses in mathematics, physics, chemical engineering, electronics, computer science, and mechanical drawing are helpful because they teach the principles involved in operating an airplane. Mechanics often need this knowledge to figure out what is wrong and how to fix it. Courses that develop writing, communication, and management skills are also important for mechanics that want to move into senior positions. The Bureau of Labor statistics predict a slower than average growth rate (6%) for A&P’s over the next decade. San Bernardino County may be the exception. Aviation companies located at the High Desert’s SCLA area, which includes GE Test Flight, SCA, PART, Leading Edge, and others have shown a propensity to hire a large number of VVC A&P graduates as their business operations continue to expand. Over 67% of VVC students have jobs or job offers before graduating. More than 60% of the students work at locally based SCLA Companies. According to the Bureau of Labor Statistics, the national median wage for an A&P is $25.59 per hour. However some highly skilled and specialized A&P’s who work outside the US can earn up to $10,000 to $14,000 per month.

**Program Goals (click here for detailed plan)**

Goal 1: Open a FAA on-site computer testing center for all FAA written tests.

Goal 2: Provide an on-site FAA approved DME for oral and practical exams.

Goal 3: Increase hiring and internship aviation programs with local SCLA aviation companies; start hiring and internship programs and projects with the aviation companies in the Lancaster/Palmdale area.

**Nursing (1203.10)**

**Program Description**

Victor Valley Associate Degree in Nursing program was founded in 1977. Since the inauguration of the program, there has been consistent stability and growth within the nursing department. The program continues to maintain an excellent reputation
throughout the entire high desert and southern California region. Over the past 30 years, Victor Valley College has produced more than 3,000 registered nurses in effort to meet the demands of the community healthcare needs across the lifespan. The faculty and students are extremely active within the community and provide an array of services to diverse and vulnerable populations. The estimated time to complete the program is two-years. Once the students have successfully met the program requirements, he/she is eligible to take the national licensure exam (NCLEX) to become a Registered Nurse (RN). The program prepares entry-level registered nurses to specialize in the following areas (but not limited to): 1) Medical-Surgical, 2) Pediatrics, 3) Maternal/Child, 4) Mental Health/Psychiatry, 5) Critical-care/Emergency, 6) Geriatrics, and 7) Community Health.

**Program Goals** ([click here for detailed plan](#))

Goal 1 & 3: Diligently work with the district's foundation office and state chancellor's office to seek supplemental funding to support the increased needs of the department.

Goal 2: Will contribute to student success by securing adequate instructional staff. Adequate staff will improve student/teacher classroom ratios, improve retention and completion rates, therefore positively improving the college image.

**Athletics (0836)**

**Program Description**

In keeping w/ the philosophy of providing programs to meet the diverse needs of students so that they may continue to develop physically, mentally, and emotionally throughout their lifetime. There are eight (8) programs for men’s sports and six (6) programs for women’s sports.

**Program Goals** ([click here for detailed plan](#))

Goal 1: Maintain current sports offerings.

Goal 2: Add additional sports based on surveys while ensuring gender equity.

Goal 3: Protect the health and safety of student athletes.