

# VIRTUALIZATION AND CLOUD COMPUTING, CERTIFICATE OF ACHIEVEMENT

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**Banner Code:** 1\_CM\_CSVC

**Control Number:** 42620

**Not Financial Aid Eligible**

Completion of this certificate will enable students to acquire the skills needed by professionals in information and communication technologies to develop and support virtualization, cloud computing and datacenter and cloud storage. This career is an emerging IT-related career that sees high demand and growth.

## Program Outcome

Students who receive the Virtualization and Cloud Computing Certificate of Achievement will be able to design, implement, troubleshoot and repair virtual hardware and software. This is inclusive of servers, networks, storage, data centers and cloud solutions. This skillset is vital for jobs as virtualization engineer, virtualization administrator, cloud engineer, cloud administrator, storage engineer, storage administrator, IT security administrator, IT security analyst, network administrator, network engineer, and data center technician.

## Certificate of Achievement Requirements

The Certificate of Achievement is a state-approved career program that requires a minimum of eight units and is designed to prepare the graduate to enter a particular field of employment. In order to be awarded a certificate, students are required to obtain a grade of "C" or better in all program-required courses. Grades of "CR" or "P" will be accepted whereas "CR" or "P" meets the equivalency of a "C" or better. At least 3 units in an advanced course from the certificate must be completed at OCC at the department's discretion. Certificates of Achievement are not automatically awarded. A petition must be filed in Enrollment Services or online at the beginning of the semester in which the student will be completing their final requirements. The petitioning periods are listed in the Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/>) section of this catalog. Check with a counselor to determine the requirements for completion.

A list of certificate programs can be found in the Programs A-Z (<https://catalog.cccd.edu/orange-coast/programs/>) section of this catalog.

Course	Title	Units
<b>Required Courses</b>		
CHT A280	Information and Storage Management	3
CHT A281	Cloud Infrastructure & Services	3
CHT A285	VMware View: Installation, Configuration & Management	3
CHT A286	VMware vSphere: Installation, Configuration & Management	3
<b>Total Units</b>		<b>12</b>