

Hagerstown Community College Master Syllabus

CYB 246: Intro to Cloud Computing

Course Information

Course #: CYB 246 Introduction to Cloud Computing
3 Credits
Spring 2019
Online

Instructor Information

Course Description

This course serves as a basis for understanding the standard cloud terminologies and methodologies needed to implement, maintain, and support cloud technologies and infrastructure. Also discussed will be the relevant aspects of IT security and the use of industry best practices related to the application of virtualization. Topics include cloud service and delivery models, various types of disk storage systems network infrastructure and management, virtualization components, performance tuning, systems management, troubleshooting and security. Mobile Device Management (MDM), business continuity and disaster recovery are also covered. Prerequisites are IST 154 and CYB 101.

Textbook and Course Materials

CompTIA Cloud+ Study Guide Exam CV0-002, 2nd Edition. Wiley, Todd Montgomery.
ISBN: 9781119443056

Student Learning Outcomes

- Think critically
- Communicate effectively with both verbal and written forms
- Identify the standard cloud terminologies and methodologies to implement, maintain, and support cloud technologies and infrastructure
- Understand relevant aspects of IT security and the use of industry best practices related to the application of virtualization

Definition of Credit Hour: Classroom Courses

To earn one academic credit at HCC, students are required to complete a minimum of 37.5 clock hours (45 fifty-minute academic hours) of coursework per semester. Those hours of coursework may be completed through a combination of hours in the classroom and hours outside the classroom. Certain courses may require more than the 37.5 minimum hours of coursework per credit. For most classes, students should expect to complete at least 2 hours of coursework outside of class for each hour of in-class coursework.

Classwork type	Student Work Out of Classroom 112.5 hours required
Online discussion and research	22.5 hours
Reading + Chapter Self-Assessments	30 hours
Exams and Prep	18 hours
Scenario assignments	20 hours
Research Paper	25 hours
Total	115.5 hours

Services for students with disabilities: Students may receive reasonable accommodations if they have a diagnosed disability and present appropriate documentation. Students seeking accommodations are required to contact the Disability Support Services (DSS) office as early as possible. Students may contact a DSS staff member for an appointment at dss@hagerstowncc.edu or at 240-500-2530.