

Cloud Services IT



Why Cloud Services IT?

The use of cloud services by IT departments large and small has exploded. While the job of IT or System Administrator will continue to exist, the fabric of the position itself is changing to one where a manager is managing services not always located in-house. In the past, little or no focus had been placed on “as a Service” (aaS) management and this program addresses that shortcoming. Cloud Services IT provides foundation-level preparation and expertise common to all Information Technology fields as well as an understanding of cloud services commonly used in IT departments. Students will create and analyze scope of work documentation for cloud services, as well as an introduction to FAR and DFAR requirements.

Program Outcomes

Students who graduate from this program will be able to:

- Plan and implement cloud services administration for IaaS, PaaS, SaaS and XaaS (aaS / as a Service)
- Administer a Windows Server infrastructure in an enterprise environment
- Explain the need to develop non-traditional computer application for use on a mobile platform or other emerging technology
- Implement a core Windows Server infrastructure in an existing enterprise environment
- Plan, design and deploy a physical and logical Windows Server enterprise infrastructure
- Design, deploy and manage a physical and virtual Windows Server application management infrastructure
- Plan and deploy desktops by using several technologies such as User State Migration Tool (USMT), Microsoft Deployment Toolkit (MDT) and Virtual Desktop Infrastructure (VDI)
- Perform maintenance tasks on the command line and install and configure a computer running Linux and configure basic networking

Potential Jobs

- Cloud Services Specialist
- Computer Support Specialist
- Information Systems Manager
- Systems Analyst
- IT Consultant
- IT Support

Potential Salary*

There is a wide range of jobs in the computer science industry. See below for the average annual salary range in NH for a **Computer Systems Analyst**.

ENTRY LEVEL	MID-RANGE	EXPERIENCED
\$68,182	\$94,286	\$113,755

**New Hampshire Occupational Employment & Wages 2021, published by the NH Economic + Labor Market Information Bureau — Salaries are based on 40 hours of work, not including overtime.*

Transfer Opportunities

- Plymouth State University
- Rivier University
- UNH

...and many more!

Computer science careers are projected to grow 12% through 2024!

www.bls.gov



Degree Requirements

Cloud Services IT Degree

Degree Program - First Year

First Year	Fall Semester	TH	LAB	CR
CSIT109M	AWS* Cloud Foundations	2	2	3
CIS116M	Network Plus Prep	3	3	4
ENGL110XM or ENGL110M	College Composition I with Corequisite or College Composition I	4	0	4
	Mathematics Elective	3	0	3
FYE100M	MCC Essentials	1	0	1
	Total	13	5	15

First Year	Spring Semester	TH	LAB	CR
CSIT120M	Level 1 Linux Certification Preparation	2	2	3
CIS110M	Microsoft Computer Applications I	2	2	3
CSIT217M	Microsoft 365 Fundamentals	3	3	4
	Physics Elective - <i>Choose one:</i> <i>PHYS135M, PHYS201M</i>	3	3	4
	English Literature/Philosophy Elective - <i>Choose one: ENGL213M, ENGL214, PHIL240M</i> <i>or any English Literature course</i>	3	0	3
	Total	13	10	17

Degree Program - Second Year

Second Year	Fall Semester	TH	LAB	CR
CSIT211M	AWS* Cloud Development	3	3	4
CSIT220M	Advanced Level Linux Certification Prep	2	2	3
MATH	Mathematics Elective (MATH171M or higher)	4	0	4
CSIT226M	AWS* Cloud Operations	3	3	4
	Total	12	8	15

Second Year	Spring Semester	TH	LAB	CR
CSIT230M	AWS* Cloud Architecting	3	3	4
	CIS/CYBD Elective	4	0	4
	Computer Science Elective - <i>choose one:</i> <i>CSCN290M, CIS291M</i>	2	2	3
	Social Science Elective	3	0	3
	Total	12	5	14
Total Credits - 61				

*Amazon Web Service (AWS)



More information about this program
program is available on our website:
[www.mccnh.edu/academics/
programs/cloud-services-it](http://www.mccnh.edu/academics/programs/cloud-services-it)



All courses and degree requirements are subject to change. For the most current information on MCC programs, **visit mccnh.edu**.

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