



**Course Information**

<b>Course Title</b>	Amazon Web Services (AWS)
<b>Course Prefix, Num. and Title</b>	ITNW 1375 - Amazon Web Services (AWS)
<b>Division</b>	Technology and Business Division
<b>Department</b>	Computer Science
<b>Course Type</b>	This course is a Special Topics or Unique Needs Course.
<b>Course Catalog Description</b>	This course will define what Amazon Web Services (AWS) as well as how to configure, secure, and run AWS to meet a specific need of a business or organization.
<b>Pre-Requisites</b>	ITNW 1330
<b>Co-Requisites</b>	None

**Semester Credit Hours**

<b>Total Semester Credit Hours (SCH): Lecture Hours:</b>	3:2:2
<b>Lab/Other Hours</b>	
<b>Equated Pay Hours</b>	3
<b>Lab/Other Hours Breakdown: Lab Hours</b>	2
<b>Lab/Other Hours Breakdown: Clinical Hours</b>	0
<b>Lab/Other Hours Breakdown: Practicum Hours</b>	0
<b>Other Hours Breakdown</b>	List Total Lab/Other Hours Here.

**Approval Signatures**

<b>Title</b>	<b>Signature</b>	<b>Date</b>
<b>Prepared by:</b>		
<b>Department Head:</b>		
<b>Division Chair:</b>		
<b>Dean/VPI:</b>		
<b>Approved by CIR:</b>		

## Additional Course Information

**Topical Outline:** Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

Topical Outline – Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, clinical or other non-lecture instruction):

1. What is AWS
2. Accessing AWS
3. Regions and Availability zones
4. Compute and Networking Services within AWS
5. Storage and Content delivery services within AWS
6. Security and Identity services within AWS
7. Database services within AWS
8. Analytics services within AWS
9. Application services within AWS
10. Management tools within AWS

### Course Learning Outcomes:

**Learning Outcomes – Upon successful completion of this course, students will:**

1. Install and run a virtual server within AWS.
2. Explain the different AWS categories and when each one is needed.
3. Deploy and manage a website using AWS.
4. Explain how to analyze data using AWS.
5. Understand how to store files and different types of media in AWS.

#### Methods of Assessment:

Individual/Group Assignments Individual/Group Projects Reading Assignments Presentations  
Lab Works/Assignments Quizzes/Tests/Exams

### Required text(s), optional text(s) and/or materials to be supplied by the student:

Text like/ such as Getting Started with AWS: Getting Started Guide, Amazon Web Services, Publisher: Amazon Web Services, Available online on Amazon.com for free.

### Suggested Course Maximum:

18

**List any specific or physical requirements beyond a typical classroom required to teach the course.**

Networked lab segregated from WCJC network by router

- Current Microsoft Windows Server operating system software (64 bit) for each student and instructor
- Visualization software for each student and instructor
- Current VMware Workstation for each student and instructor
- Antivirus software for each student and instructor
- Server (64-bit) for class with SAN isolated from WCJC network
- Computer (64-bit CPU, 12 GB Ram, graphics cards, monitors, for each student
- Removable hard drive for each student and instructor (1 TB hard drive)
- Laser Printer
- Instructor needs 2 monitors & Data projector

**Course Requirements/Grading System:** Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

Attendance and Housekeeping	0- 5%	100 -90 = A
Homework	10-25%	89 - 80 = B
Labs	25-40%	79 - 70 = C
Tests and Final Exam	45-50%	69 - 60 = D and below = F

**Curriculum Checklist:**

- Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.
- Administrative WCJC Core Course.** Attach the Core Curriculum Review Forms
  - Critical Thinking
  - Communication
  - Empirical & Quantitative Skills
  - Teamwork
  - Social Responsibility
  - Personal Responsibility
- WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist