



## Convergence Technology

**Convergence Technology Center Website:**  
www.convergencetechnologycenter.org

### Program Options:

#### AAS – Convergence Technology Certificate – Convergence Technology

Collin’s Convergence Technology program introduces the “triple play” combining voice, video and integrated data over an IP network. The program focuses on key content in all three areas and gives students experience in solving real-world problems through case study courses. The two novel case study courses address contemporary Small Office Home Office (SOHO) and the Enterprise network business situations, allowing students to utilize the college’s state-of-the-art Convergence Lab to build a portfolio of completed projects prior to entering the workforce. The student’s ability to design and maintain those networks will give them excellent marketability in this future high-demand, fast-paced industry of Information and Communications Technology (ICT) as described by the Texas Workforce Commission and Career Development Resources.

Convergence is:

- The blending or integration of voice, video, and data into a single but flexible global communications network.
- The merging together of products and capabilities of multiple vendors to create an integrated solution for the customer

With curriculum designed by industry area experts and taught by experienced professionals, the Convergence Technology program at Collin gives students extensive hands-on training and prepares students for the workforce and for professional certification exams including CCNA, MCSA, A+, Network +, Security +, Linux +, HTI+, and others.

Students planning to transfer to a college or university should check with a Collin academic advisor prior to beginning this program.

## AAS – Convergence Technology

60 credit hours

### FIRST YEAR

#### First Semester

CPMT	1305	IT Essentials I: PC Hardware and Software
ITCC	1371	CCNA 1 Cisco - Introduction to Networks
ITCC	1374	CCNA 2 - Routing and Switching Essentials
ITNW	1370	Cloud+ Computing Fundamentals
<u>GEN ED</u>		Select one <u>Mathematics</u> General Education course <sup>1</sup>

#### Second Semester

<u>ENGL</u>	<u>1301</u>	<u>Composition I</u>
ITMT	1370	Configuring and Supporting Microsoft Windows 7
ITMT	2370	Installing and Configuring Windows Server 2012
ELECTIVE*		
ELECTIVE*		

### SECOND YEAR

#### First Semester

<u>GEN ED</u>		Select one <u>Social / Behavioral Sciences</u> General Education course
EECT	2337	Wireless Telephony Systems
ITMT	2371	Administering Windows Server 2012
ITSY	2300	Operating System Security
<u>SPCH</u>	<u>1321</u>	<u>Business and Professional Communication</u> (See other <u>Speech Options</u> )

#### Second Semester

<u>GEN ED</u>		Select one <u>Humanities / Fine Arts</u> General Education course
ITNW	2373	Information Storage Management (EMC)
ITNW	2374	Advanced Computer Networking Case Study (Capstone)
ITNW	2375	VMWare vSphere: Installation, Configuration and Management
ITSC	1316	Linux Installation and Configuration

1. Select one of the following: MATH-1314, MATH-1316, MATH-1324, MATH-1325, MATH-1332, MATH-1342, MATH-1350, MATH-1351, MATH-1414, MATH-2305, MATH-2318, MATH-2320, MATH-2412, MATH-2413, MATH-2414, or MATH-2415
- \* Electives (6 credit hours): EECT-1371 (recommended), ITCC-2371 (recommended in combination with ITCC-2372), ITCC-2372, ITMT-2372 (recommended), EECT-1348, ITSY-1300 (recommended), or any ITSY course, or one of the following Cooperative Education courses (with consent of Program Director): EECT-2380 or ITNW-2380

Note: Many CPMT, EECT, ITCC, ITMT, ITNW (except ITNW-2374), and ITSY courses are offered in eight-week express sessions.

## Certificate – Convergence Technology

30 credit hours

### FIRST YEAR

#### First Semester

ITCC	1371	CCNA 1 Cisco - Introduction to Networks
ITCC	1374	CCNA 2 - Routing and Switching Essentials
ITMT	1370	Configuring and Supporting Microsoft Windows 7
ITMT	2370	Installing and Configuring Windows Server 2012
ITNW	1370	Cloud+ Computing Fundamentals

#### Second Semester

EECT	2337	Wireless Telephony Systems (Capstone)
ITNW	2373	Information Storage Management (EMC)
ITNW	2375	VMWare vSphere: Installation, Configuration and Management

ELECTIVE \*

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