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
GEN ED

Second Semester
ENGL 1301 Composition I
ITMT 1370 Configuring and Supporting Microsoft Windows 7
ITMT 2370 Installing and Configuring Windows Server 2012
ELECTIVE* ELECTIVE*

SECOND YEAR
First Semester
GEN ED
EECT 2337 Wireless Telephony Systems
ITMT 2371 Administering Windows Server 2012
ITSY 2300 Operating System Security
SPCH 1321 Business and Professional Communication
(See other Speech Options)

Second Semester
GEN ED
Select one Humanities / Fine Arts 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**

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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ITCC 1371</td>
<td>CCNA 1 Cisco - Introduction to Networks</td>
</tr>
<tr>
<td>ITCC 1374</td>
<td>CCNA 2 - Routing and Switching Essentials</td>
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<tr>
<td>ITMT 1370</td>
<td>Configuring and Supporting Microsoft Windows 7</td>
</tr>
<tr>
<td>ITMT 2370</td>
<td>Installing and Configuring Windows Server 2012</td>
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<tr>
<td>ITNW 1370</td>
<td>Cloud+ Computing Fundamentals</td>
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**Second Semester**

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<tr>
<td>EECT 2337</td>
<td>Wireless Telephony Systems (Capstone)</td>
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<tr>
<td>ITNW 2373</td>
<td>Information Storage Management (EMC)</td>
</tr>
<tr>
<td>ITNW 2375</td>
<td>VMWare vSphere: Installation, Configuration and Management</td>
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**ELECTIVE**

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