

Convergence Technology Proposed Curriculum Outline

AAS – Convergence Technology

AAS - Cloud Computing, Virtualization, and Storage Technology

61 credit hours

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

FIRST YEAR

First Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Credit</u>
CPMT	1405	IT Essentials I: PC Hardware and Software	3	3	0	96	4
CPMT	1305	IT Essentials I: PC Hardware and Software	2	3	0	80	3
EECT	1407	Convergence Technologies	3	3	0	96	4
ITNW	1370	Cloud + Computing Fundamentals	2	3	0	80	3
ITCC	1304	CCNA 1 Cisco Exploration 1 – Network Fundamentals	2	3	0	80	3
ITCC	1371	CCNA 1 Cisco - Introduction to Networks	2	3	0	80	3
ITCC	1304	CCNA 2 Cisco Exploration 2 – Routing Protocols and Concepts	2	3	0	80	3
ITCC	1374	CCNA 2- Routing and Switching Essentials	2	3	0	80	3
MATH	1314	College Algebra ¹	3	1	0	64	3
Total Hours			11	13	0	384	15

Second Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Credit</u>
ENGL	1301	Composition I	3	1	0	64	3
ITCC	2308	CCNA 3 Cisco Exploration 3 – LAN Switching and Wireless	2	3	0	80	3
Elective*			2	2	0	64	3
ITCC	2310	CCNA 4 Cisco Exploration 4 – Accessing The WAN	2	3	0	80	3
Elective*			2	2	0	64	3
ITMT	1370	Configuring and Supporting Microsoft Windows 7	2	2	0	64	3
ITMT	2451	Windows Server 2008: Server Administrator	3	3	0	96	4
ITMT	2351	Windows Server 2008: Server Administrator	2	3	0	80	3
PHED/DANC		Any Activity Course ²	0	3	0	48	1
Total Hours			11	13	0	384	16

SUMMER

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Credit</u>
ECON	1301	Introduction to Economics ³	3	0	0	48	3
EECT	1374	Voice-over-Internet Protocol (CCNA VOICE)	2	2	0	64	3

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			Total Hours	0	0	0	0	0
SECOND YEAR								
First Semester								
			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Credit</u>	
CPMT	2302	Digital Home Technology Integration	2	2	0	64	3	
EECT	2337	Wireless Telephony Systems	3	1	0	64	3	
ITSY	2300	Operating System Security	2	2	0	64	3	
ITMT	2404	Windows Server 2008 Network Infrastructure Configuration	3	3	0	96	4	
ITMT	2301	Windows Server 2008 Network Infrastructure Configuration	2	3	0	80	3	
ECON	1301	Introduction to Economics ³	3	0	0	48	3	
SPCH	1321	Business and Professional Communication ⁴	3	0	0	48	3	
Total Hours			13	6	0	304	15	
Second Semester								
			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Credit</u>	
HUMA	1301	Introduction to the Humanities ⁵	3	0	0	48	3	
ITNW	2473	Information Storage Management (EMC)	3	3	0	96	4	
ITNW	2373	Information Storage Management (EMC)	2	3	0	80	3	
ITNW	2375	VmWare vSphere: Installation, Configuration and Management	2	3	0	80	3	
ITNW	2474	Advanced Computer Networking Case Study⁶ (Capstone)	3	3	0	96	4	
ITNW	2374	Advanced Computer Networking Case Study ⁶ (Capstone)	2	3	0	80	3	
ITSC	1316	Linux Installation and Configuration	2	2	0	64	3	
ITSY	2300	Operating System Security	2	2	0	64	3	
Total Hours			13	10	0	368	15	
GRAND TOTAL						1440	61	

¹ May substitute MATH 1316, MATH 1324, MATH 1325, MATH 1332, MATH 1342, MATH 1350, MATH 1351, MATH 1414, MATH 2305, MATH 2312, MATH 2318, MATH 2320, MATH 2413, MATH 2414, MATH 2415, MATH 2417, or MATH 2419

² May take DANC 1101, DANC 1110, DANC 1111, DANC 1141, DANC 1142, DANC 1145, DANC 1146, DANC 1147, DANC 1148, DANC 1151, DANC 1152, DANC 2141, DANC 2142, DANC 2145, DANC 2146, DANC 2147, DANC 2148, DANC 2151, DANC 2152, PHED 1100, PHED 1102, PHED 1104, PHED 1106, PHED 1111, PHED 1112, PHED 1114, PHED 1115, PHED 1116, PHED 1117, PHED 1118, PHED 1120, PHED 1121, PHED 1123, PHED 1125, PHED 1126, PHED 1127, PHED 1129, PHED 1130, PHED 1131, PHED 1136, PHED 1137, PHED 1140, PHED 1147, or PHED 1148

³ May substitute ANTH 2346, ANTH 2351, ECON 2301, ECON 2302, GOVT 2305, GOVT 2306, HIST 1301, HIST 1302, HIST 2301, PSYC 2301, or SOCI 1301

⁴ May substitute SPCH 1315 or SPCH 1321

⁵ May substitute ARTS 1301, ARTS 1303, ARTS 1304, ARTS 1313, DANC 2303, DRAM 1310, DRAM 2361, DRAM 2362, ENGL 2322, ENGL 2323, ENGL 2327,
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ENGL 2328, ENGL 2332, ENGL 2333, ENGL 2342, ENGL 2343, ENGL 2351, FREN 2303, FREN 2304, HIST 2311, HIST 2312, HIST 2321, HIST 2322, HUMA 1305, MUSI 1306, MUSI 1307, PHIL 1301, PHIL 1304, PHIL 2303, PHIL 2306, PHIL 2307, or PHIL 2321

⁶ ~~May substitute EECT 1380 (with consent of Program Director), ITNW 1380 (with consent of Program Director), ITNW 2350, or any ITSY course~~

* Elective (6 credit hours): EECT 1371 (recommended), ITCC 2371 (recommended in combination with ITCC 2372), ITCC 2372, ITMT 2302 (recommended), EECT 1348, ITSY 1300 (recommended), or any ITSY course or one of the following Co-op courses
EECT 1380 (with consent of Program Director) or ITNW 1380 (with consent of Program Director).