

Proposed Curriculum Outline

AAS - Cloud Computing - Infrastructure

CIP 11.0902

60 credit hours

FIRST YEAR

First Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Credit</u>
<u>ENGL</u>	1301	<u>Composition I</u>	3	1	0	64	3
CPMT	1305	IT Essentials I: PC Hardware and Software	2	3	0	80	3
ITNW	1358	Network +	2	3	0	80	3
ITNW	1309	Fundamentals of Cloud Computing	2	3	0	80	3
ITMT	1372	Installation, Storage, and Computing with Windows Server 2016	2	3	0	80	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>
<u>GEN ED</u>		<u>Humanities / Fine Arts course (See Humanities/Fine Arts options)</u>	3	0	0	48	3
ITNW	2375	VMware vSphere: Installation, Configuration, and Management	2	3	0	80	3
ITSC	1316	Linux Installation and Configuration	2	2	0	64	3
ITSE	1359	Introduction to Scripting Languages - Python	2	2	0	64	3
ITNW	1371	Cloud Storage and Database	2	3	0	80	3
Total Hours			11	10	0	336	15

SECOND YEAR

First Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Credit</u>
<u>GEN ED</u>		<u>Mathematics/Natural Science course (See Mathematics/Natural Science options)</u>	3	0	0	48	3
ITSY	1342	Information Technology Security	2	3	0	80	3
ITNW	1372	Containerization and Kubernetes	2	3	0	80	3
ITNW	1336	Cloud Deployment & Infrastructure Management	2	3	0	80	3
ITNW	1373	Cloud Administrator I	2	3	0	80	3
Total Hours			11	12	0	368	15

Second Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Credit</u>
<u>GEN ED</u>		<u>Social/Behavioral Science (See Social/Behavioral Science options)</u>	3	0	0	48	3
<u>GEN ED</u>		<u>Speech (See Speech options)</u>	3	0	0	48	3
ITSC	1315	Project Management Software	2	3	0	80	3
ITNW	2327	Advanced Cloud Concepts (Capstone)	2	3	0	80	3
ITNW	1374	Cloud Administrator II	2	3	0	80	3
Total Hours			12	9	0	336	15
GRAND TOTAL						1424	60