



# ASSOCIATE OF APPLIED SCIENCE

## COMPUTER NETWORK ADMINISTRATION & SECURITY TECHNOLOGY

**1819 Catalog**  
Effective Summer 2018

**5400**

*The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.*

*Business and Information Technology Division      Computer Science and Information Systems Department*

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
NET131	Microsoft Client Operating System ▲	3	NET120 <b>and</b> NET121	
NET137	Routing and Switching Essentials ▲	3	NET121	
NET220	UNIX/LINUX Operating Environment^ ▲	3	(MTH093 and MTH094) <b>or</b> Proficiency	
NET244	Microsoft Networking I ▲	3	NET120 <b>and</b> NET121	
NET245	Microsoft Networking II ▲	3	NET244	
NET246	Microsoft Networking III ▲	3	NET244	
NET264	UNIX/LINUX System Administration ▲	3	NET220	
NET266	UNIX/LINUX Network Administration ▲	3	NET220	
NET280	Web Server Administration ▲	3	NET264 <b>or</b> NET266	
NET281	Firewall and Network Security ▲	3	NET137	
<b>Total</b>		<b>30</b>		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>	
CFS129	Cryptography ▲	3		
CFS136	Principles of Information Security ▲	3		
COM121	Effective Speaking	3		
ENG124	College Composition^	3	Co-ENG024 <b>or</b> Co-ENG011 <b>or</b> Proficiency	
ITD122	Computer Applications for Professionals^	3	ITD100 <b>or</b> Proficiency	
MTH125	College Algebra^	4	(MTH093 and MTH094) <b>or</b> Proficiency	
NET120	PC Upgrading and Maintenance ▲	3		
NET121	Introduction to Computer Networking ▲	3		
PHY101	Principles of Physics^ (lab)	4	[(MTH093 or Proficiency) or (MTH105 or MTH106 or MTH107 or MTH108 or Proficiency)] <b>and</b> (IDS102 or Proficiency)	
	<i>Select one (1) Arts &amp; Humanities or Social Science Elective from the list below<sup>1</sup></i>	3	<i>Check for prerequisites</i>	
<b>Total</b>		<b>33</b>		
<b>TOTAL CREDIT HOURS</b>		<b>63</b>		

^Based on SSC placement score

^^To promote student success, this course should be taken in the first semester

<sup>1</sup>Arts & Humanities or Social Science Elective: BUS122, BUS221, BUS222, PHL122, PSC121, PSY121, PSY122, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC225

▲ Course offerings vary by semester. Please see your academic advisor for availability.

## PART-TIME STUDENT ADVISING NOTES

Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

Course Sequence

The semester-by-semester listing below provides the normal scheduling option for part-time associate degree students who plan to finish in eight semesters.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- and Co-requisites</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
ENG124	College Composition^	3	Co-ENG024 <b>or</b> Co-ENG011 <b>or</b> Proficiency
ITD122	Computer Applications for Professionals^	<u>3</u>	ITD100 <b>or</b> Proficiency
		<b>7</b>	
<u>Second Semester</u>			
MTH125	College Algebra^	4	(MTH093 and MTH094) <b>or</b> Proficiency
NET120	PC Upgrading and Maintenance▲	3	
NET121	Introduction to Computer Networking▲	<u>3</u>	
		<b>10</b>	
<u>Third Semester</u>			
NET131	Microsoft Client Operating System▲	3	NET120 <b>and</b> NET121
NET137	Routing and Switching Essentials▲	3	NET121
NET220	UNIX/LINUX Operating Environment^▲	<u>3</u>	(MTH093 and MTH094) <b>or</b> Proficiency
		<b>9</b>	
<u>Fourth Semester</u>			
CFS129	Cryptography▲	3	
COM121	Effective Speaking	3	
NET244	Microsoft Networking I▲	<u>3</u>	NET120 <b>and</b> NET121
		<b>9</b>	
<u>Fifth Semester</u>			
CFS136	Principles of Information Security	3	
NET245	Microsoft Networking II▲	3	NET244
NET266	UNIX/LINUX Network Administration▲	<u>3</u>	NET220
		<b>9</b>	
<u>Sixth Semester</u>			
NET246	Microsoft Networking III▲	3	NET244
NET264	UNIX/LINUX System Administration▲	<u>3</u>	NET220
		<b>6</b>	
<u>Seventh Semester</u>			
PHY101	Principles of Physics^ (lab)	4	[(MTH093 <b>or</b> Proficiency) <b>or</b> (MTH105 <b>or</b> MTH106 <b>or</b> MTH107 <b>or</b> MTH108 <b>or</b> Proficiency)] <b>and</b> (IDS102 <b>or</b> Proficiency) <i>Check for prerequisites</i>
<i>Arts &amp; Humanities or Social Science Elective<sup>1</sup></i>		<u>3</u>	
		<b>7</b>	
<u>Eighth Semester</u>			
NET280	Web Server Administration▲	3	NET264 <b>or</b> NET266
NET281	Firewall and Network Security▲	<u>3</u>	NET137
		<b>6</b>	
	<b>TOTAL CREDITS</b>	<b>63</b>	

^Based on SSC placement score

^^To promote student success, this course should be taken in the first semester

<sup>1</sup>Arts & Humanities or Social Science Elective: BUS122, BUS221, BUS222, PHL122, PSC121, PSY121, PSY122, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC225

▲ Course offerings vary by semester. Please see your academic advisor for availability.