



ASSOCIATE OF APPLIED SCIENCE

COMPUTER NETWORK ADMINISTRATION & SECURITY TECHNOLOGY

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.

2021-22 Catalog
Effective Summer 2021

5400

Business and Information Technology Division

Computer Science and Information Systems Department

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
CPD123	Structured Query Language ▲	3	CPD121	
NET137	Routing and Switching Essentials ▲	3	NET121	
NET220	UNIX/LINUX Operating Environment^ ▲	3	NET120 and NET121	
NET244	Microsoft Networking I ▲	3	NET120 and NET121	
NET245	Microsoft Networking II ▲	3	NET244	
NET246	Microsoft Networking III ▲	3	NET244	
NET253	Securing Networks with Switches and Routers ▲	3	NET137	
NET256	Scaling Networks ▲	3	NET137	
NET264	UNIX/LINUX System Administration ▲	3	NET220	
NET281	Firewall and Network Security ▲	3	NET137	
Total		30		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>	
COM121	Effective Speaking	3		
CPD121	Data Modeling and Database Design^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)	
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)	
ENG124	College Composition^	3	Co-ENG024 or Co-ENG011 or Proficiency	
MTH125	College Algebra^	4	Pre-co-MTH025 or MTH023 or Proficiency	
NET120	PC Upgrading and Maintenance ▲	3		
NET121	Introduction to Computer Networking ▲	3		
NET131	Microsoft Client Operating System ▲	3	NET120 and NET121	
	<i>Select one (1) Arts & Humanities Elective from the list below¹</i>	3	<i>Check for prerequisites</i>	
	<i>Select one (1) Social Science Elective from the list below²</i>	3	<i>Check for prerequisites</i>	
Total		32		
TOTAL CREDIT HOURS		62		

^Based on SSC placement score

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

¹Arts & Humanities Elective: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122

²Social Science Elective: PSC121, PSY121, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC221, SOC225

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

FULL-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 full-time associate degree students who plan to finish in two years.

<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 or Co-ENG011 or Proficiency
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)
NET120	PC Upgrading and Maintenance ▲	3	
NET121	Introduction to Computer Networking ▲	<u>3</u>	
		13	
<u>Second Semester</u>			
MTH125	College Algebra^	4	Pre-co-MTH025 or MTH023 or Proficiency
NET131	Microsoft Client Operating System ▲	3	NET120 and NET121
NET137	Routing and Switching Essentials ▲	3	NET121
NET220	UNIX/LINUX Operating Environment^ ▲	3	NET120 and NET121
NET244	Microsoft Networking I ▲	<u>3</u>	NET120 and NET121
		16	
<u>Third Semester</u>			
CPD121	Data Modeling and Database Design	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)
COM121	Effective Speaking	<u>3</u>	
		6	
<u>Fourth Semester</u>			
NET253	Securing Networks with Switches and Routers ▲	3	NET137
NET245	Microsoft Networking II ▲	3	NET244
CPD123	Structured Query Language ▲	3	CPD121
<i>Arts & Humanities Elective¹</i>		<u>3</u>	
		12	
<u>Fifth Semester</u>			
NET246	Microsoft Networking III ▲	3	NET244
NET264	UNIX/LINUX System Administration ▲	3	NET220
NET256	Scaling Networks ▲	3	NET137
NET281	Firewall and Network Security ▲	3	NET137
<i>Social Science Elective²</i>		<u>3</u>	<i>Check for prerequisites</i>
		15	
	TOTAL CREDITS	62	

^Based on SSC placement score

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

¹Arts & Humanities Elective: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122

²Social Science Elective: PSC121, PSY121, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC221, SOC225

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