

Middlesex Community College: AS IT Networking & User Support

Course Title	Credits
ENG 101 English Comp I	3
ENG 102 English Comp II	3
COM 116 Interpersonal Communication	3
ETH 101 Ethics and Society	3
IDS 101 General Education Seminar: First-Year Experience	1
<b>Total</b>	
IDS Elective	1
IDS Elective	1
Humanities Elective	3
Behavioral Science Elective (PSY 101 - Introduction to Psychology Recommended)	3
ECO 140 OR ECO 150 Principles of Macroeconomics OR Principles of Microeconomics	3
<b>Total</b>	
MAT 177 Statistics	3
Science Elective with Lab (SCI 130 recommended)	4
Science Elective	3
ITC 101 IT Support	4
NST 181 Networking I	3
NST 231 Networking II	3
<b>Total</b>	
NST 235 Networking III	4
ITC 111 Scripting for Security	4
NST 121 Computing System Fundamentals	4
ITC 281 Cybersecurity I	3
BUS 213 Business Communications	3
<b>Total</b>	
<b>Total</b>	62

Note: No duplicate courses will be accepted.

CPS: BS. IT

ENG1105/1106 College Writing 1 and lab	3
ENG1107/1108 College Writing 2 and lab	3
COM1100 Organizational Communication	3
PHL2100 Business Ethics	3
Open elective	1
<b>Total</b>	
Open elective	1
Open elective	1
Course equivalency depends on course selected--	3
PSY1100 Foundations of Psychology	3
ECN1200 or ECN1100 Principles of Macroeconomics or Principles of Microeconomics	3
<b>Total</b>	
MTH2300 Business Statistics	3
BIO 1990 BIO Elective	4
Course equivalency depends on course selected--	3
ITC1990 ITC elective	4
ITC1990 ITC SysAdmin Elective	3
ITC2200 Networking Foundations	3
<b>Total</b>	
ITC2990 ITC SysAdmin Elective	4
ITC1990 ITC AppDev Elective	4
ITC1200 Operating Systems Concepts	4
ITC2990 ITC Elective	3
MGT 2310 Organizational Behavior	3

\*\*Courses greyed out below are courses already mapped to the degree.

Complete the following core courses:

ENG 1105	College Writing I
ENG 1107	College Writing II
ENG 3105	Business Professions: Business and the Social Sciences
MTH 1100	College Algebra
MGT 1100	Introduction to Business
MGT 2310	Organizational Behavior
MTH 2400	Discrete Mathematics & Applications of Discrete Mathematics
<b>Pick one of the following:</b>	
PHL 2100	Business Ethics
PHL 2140	Philosophical Issues in Science and Engineering
ITC 3620	Legal and Ethical Issues in Cybersecurity
<b>Major Requirements:</b>	
ITC 1100	Human Computer Interaction
ITC 1200	Operating Systems Concepts
ITC 2000	Principles of Systems Analysis and Design
ITC 2016	End User Data Analysis Tools
ITC 2100	Introduction to Programming (Java)
ITC 2200	Networking Foundations
ITC 2300	Database Management Systems
ITC 2400	Web and Mobile Development
ITC 4500	IT Project Management
ITC 4600	Information Security Management
ITC 4840	Preparation for IT Project
ITC 4850	Information Technology Project

Professional Electives:  
Complete 15 credits in the following subject areas: ALY, CET, GET, ITC

Pick a concentration:

Applications Development Concentration (Optional Track): Choose five courses not already used to fulfill major requirements

ALY 2010	Probability Theory and Intro to Statistics
ALY 2100	Intro to Programming for Data Analytics
GET 2100	Enterprise Engineering Programming and Analysis
CET 2200	Data Structures and Algorithms
CET 2300	Object-Oriented Programming
ITC 2430	E-Commerce Systems
ITC 3100	Advanced Applications Development
ITC 3150	Database Websites
ITC 3300	Structured Query Language (SQL)
ITC3320	Data Warehousing Technologies
ITC 3400	Web Design and Multimedia

OR

Systems Administration and Cybersecurity Concentration (Optional Track): Choose five courses not already used to fulfill major requirements

ITC3220	Mobile and Wireless Networking
ITC 3250	UNIX Systems Administration
ITC 3620	Legal and Ethical Issues in Cybersecurity
ITC4200	Network Security
ITC4260	Oracle Database Administration
ITC 4680	Emergence in Information Technology
ITC 4660	Cryptography Concepts
ITC 4670	Software Vulnerabilities

Remaining Open Electives:

Complete 30 credits to reach the minimum 120 credits.