

COUNTY COLLEGE OF MORRIS
CURRICULUM CHECK SHEET
Requirements for Graduation
A.A.S. DEGREE

#3525
INFORMATION TECHNOLOGY

FALL 2023

COURSE	CODE	CR	GR	TR
GENERAL EDUCATION FOUNDATION (20 CR)				
COMMUNICATION (6 CR)				
English Composition I	ENG 111	3		
English Composition II	ENG 112	3		
MATH/SCIENCE/TECHNOLOGY (3 CR)				
Computer Science I	CMP 128	3		
SOCIAL SCIENCE (3 CR)*				
Choose from General Education list (Social Science)		3		
GENERAL EDUCATION ELECTIVES (8 CR)				
Probability & Statistics	MAT 130	4		
Laboratory Science*		4		
INFORMATION TECHNOLOGIES CORE (40 CR)				
Intro to Information Technology	CMP 130	3		
Computers and Data Networks	TEL 107	3		
Routing I	TEL 110	3		
Network Security	CMP 124	3		
Operating Systems & Utilities	CMP 200	3		
Linux	CMP 255	4		
Fundamentals of Programming (Python)	CMP 131	3		
Internet & Web Page Design	CMP 239	3		
Database Programming (SQL)	CMP 241	3		
Software Engineering	CMP 280	3		
IT Track Electives*		9		
TOTAL		60		

NOTES:

This is an unofficial document and should be used for academic planning purposes only. All students are required to see their Academic Advisors each semester to discuss and approve their selection of courses before they register. Due to continual program revisions mandated by accrediting agencies and/or changes in state mandated requirements, students should consult their academic advisor when selecting courses. If you need the name of your academic advisor, contact **Department of Information Technologies in Emeriti Hall, EH 225 at (973)328-5780.**

To determine the transferability of your courses to participating NJ Colleges & Universities, access www.njtransfer.org.

*See back page for more information.

INFORMATION TECHNOLOGY

#3525

Suggested Sequence by Semester

*This suggested sequence does not include any required developmental courses.
Degree completion time may vary depending upon the number of credits taken each semester.*

SEMESTER I			CREDITS	SEMESTER II			CREDITS
Intro to Information Technology	CMP 130	3	Social Science Elective		3		
Internet & Web Page Design	CMP 239	3	Computer Science I	CMP 128	3		
English Composition I	ENG 111	3	English Composition II	ENG 112	3		
Routing I	TEL 110	3	Operating Systems & Utilities	CMP 200	3		
Fundamentals of Prog. (Python)	CMP 131	<u>3</u>	Technical Emphasis I		<u>3</u>		
TOTAL			15	TOTAL			15
SEMESTER III				SEMESTER IV			
Linux	CMP 255	4	Laboratory Science		4		
Computers and Data Networks	TEL 107	3	Software Engineering	CMP 280	3		
Network Security	CMP 124	3	Probability & Statistics	MAT 130	4		
Database Programming (SQL)	CMP 241	3	Technical Emphasis III		<u>3</u>		
Technical Emphasis II		<u>3</u>					
TOTAL			16	TOTAL			14

SOCIAL SCIENCE: Select one three-credit Social Science elective from the list of approved General Education courses.

LABORATORY SCIENCE: Choose a 4-credit laboratory science from the approved General Education (Science) course list.

TECHNICAL TRACKS: Students may choose one of the following technical emphases:

*Students may take CMP 296/297/298 Cooperative Work Experience as a suitable substitute for one of these electives. Please see the Information Technologies Department Chairperson for more information.

Web Development

Web Design II	CMP 244	3
Adv Web Programming	CMP 249	3
Web Development Workflow	CMP 263	3

Security

Foundations of Information Security	CMP 120	3
Information Security Management	CMP 125	3
Ethical Hacking & System Defense	CMP 243	3

Mobile Applications Development

Mobile App Design	CMP 170	3
Computer Science II	CMP 129	3
Mobile App Programming	CMP 271	3

Networking

Routing II	TEL 120	3
Routing III	TEL 220	3
Network Operating Systems	TEL 233	3

Digital Forensics

Digital Forensics I	CMP 160	3
Digital Forensics II	CMP 261	3
Investigative Function	CJS 215	3

Data Science

Intro to Data Science	MAT 114	3
Data Science Programming	CMP 262	3
Machine Learning	ENR 264/CMP 264	3

HONORS COURSES: You may be eligible to take honors courses. Discuss this option with your Academic Advisor.

GENERAL EDUCATION: [Click here for the most recent General Education course list.](#)