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

#3525 INFORMATION TECHNOLOGY

FALL 2024

COURSE	CODE	CR	GR	TR
GENERAL EDUCATION FOUNDATION	N (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 IS, WD	CMP 128	3		
HUMANITIES/SOCIAL SCIENCE (3 CR)*				
Choose from General Education course list (Humanit	ties/Social Science)	3		
GENERAL EDUCATION ELECTIVES (8 C	CR)			
Probability & Statistics DA	MAT 130	4		
Laboratory Science*		4		
INFORMATION TECHNOLOGIES COP	RE (40 CR)			
Intro to Information Technology	CMP 130	3		
Computers and Data Networks	TEL 107	3		
Routing I	TEL 110	3		
Foundations of Info Security ^{IS}	CMP 120	3		
Operating Systems & Utilities	CMP 200	3		
Linux	CMP 255	4		
Fundamentals of Prog. (Python) DA	CMP 131	3		
Internet & Web Page Design WD	CMP 239	3		
Database Programming (SQL) DA	CMP 241	3		
Software Engineering IS, WD	CMP 280	3		
Technical 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 Advisor 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 the Department of Information Technologies in Emeriti Hall, EH225 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 on course choices.

Certificates of Achievement: See your academic advisor to ensure you have declared a Certificate on your academic record.

^{WD} A certificate in **Web Development** may be earned by completing five courses notated as WD.

^{IS} A certificate in **Information Security** may be earned by completing five courses notated as IS.

DA A certificate in **Data Analytics** may be earned by completing five courses notated as DA.

See back page for more information on which Technical Track Electives to choose if you are interested in completing a Certificate in **Web Development, **Information Security** or **Data Analytics**.

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	CF	REDITS	SEMESTER II	CH	REDITS
Intro to Information Technology	CMP 130	3	Computer Science I	CMP 128	3
Internet & Web Page Design	CMP 239	3	English Composition II	ENG 112	3
English Composition I	ENG 111	3	Technical Track Elective		3
Fundamentals of Prog. (Python)	CMP 131	3	Computers and Data Networks	TEL 107	3
Operating Systems & Utilities	CMP 200	<u>3</u>	Probability & Statistics	MAT 130	<u>4</u>
	TOTAL	15		TOTAL	16
SEMESTER III			SEMESTER IV		
Linux	CMP 255	4	Laboratory Science		4
Foundations of Info Security	CMP 120	3	Software Engineering	CMP 280	3
Database Programming (SQL)	CMP 241	3	Technical Track Elective		3
Technical Track Elective		3	Humanities/Social Science Elective		<u>3</u>
Routing I	TEL 110	<u>3</u>			-
	TOTAL	16		TOTAL	13

HUMANITIES/SOCIAL SCIENCE: Select one three-credit Humanities/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) courselist.

GENERAL EDUCATION: Click here for the most recent General Education course list.

TECHNICAL TRACK ELECTIVES: Choose one of the following technical tracks:

- Students may take CMP 296/297/298 Cooperative Work Experience as a suitable substitute for any track elective.
- Note the WD, IS & DA course selections to complete a certificate in Web Development, Information Security & Data Analytics.
- Please see the Information Technologies Department Chairperson for more information.

Web Development		
Web Design II WD	CMP 244	3
Adv Web Programming	CMP 249	3
Web Development Workflow WD	CMP 263	4
Mobile Applications Development		
Mobile App Design	CMP 170	3
Computer Science II	CMP 129	3
Mobile App Programming	CMP 271	3
Digital Forensics		
Digital Forensics I	CMP 160	3
Digital Forensics II	CMP 261	3
Investigative Function	CJS 215	3

Security		
Network Security ^{IS}	CMP 124	3
Information Security Management ^{IS}	CMP 125	3
Ethical Hacking & System Defense ^{IS}	CMP 243	3
Networking		
Routing II	TEL 120	3
Routing III	TEL 220	3
Network Operating Systems	TEL 233	3
Data Science		
Intro to Data Science DA	MAT 114	3
Data Science Programming DA	CMP 262	3
Computer Science II	CMP 129	3

Custom Track

Pick 3 courses/9 CR from any of the Technical Tracks.

If your plan is to transfer, you should include CMP 129 and MAT 118 as two of your Technical Track Electives.

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

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