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

#2150 - TEMAT TEACHER EDUCATION MATHEMATICS

FALL 2024

COURSE	CODE	CR	GR	TR	NOTES:			
General Education Foundation (32 CR)					This is an unofficial document and should be used for			
COMMUNICATION (6 CR)					academic planning purposes only.			
English Composition I	ENG 111	3			All Teacher Education students are required to see			
English Composition II	ENG 112	3			their Academic Track Advisor or Teacher Education Advisor each semester to discuss and			
					approve their selection of courses before they			
MATH/SCIENCE/TECHNOLOGY (11 CR)					register. Due to continual program revisions mandated by accrediting agencies and/or changes in			
Restricted Laboratory Science*		4			state mandated requirements, students should consult			
Restricted Laboratory Science*		4			their academic advisor when selecting courses.			
Technology**		3			Your Math advisors are: Prof. Alexis Thurman,			
					973-328-5707, SH 309, <u>athurman@ccm.edu</u> and Prof. Cathy Chambers, 973-328-5715, SH201,			
SOCIAL SCIENCE (3 CR)					cchambers@ccm.edu.			
General Psychology	PSY 113	3			Teacher Education Advisor, Prof. Diana Aria,			
					daria@ccm.edu, DH 323, 973-328-5601 or call 973-			
HUMANITIES (3 CR)*					328-5631.			
Choose from General Education list (Humanities)		3			Students pursuing a bachelor's degree in Education			
					need a minimum GPA of 3.0 to satisfy NJ Department of Education requirements. To determine			
SOCIAL SCIENCE OR HUMANITIES (3 CR)*		3			the transferability of your courses to participating NJ			
Choose from General Education list (Social Science/Hus	manities)				Colleges & Universities visit the NJ Transfer site at www.njtransfer.org. GPA requirements for Education			
					degrees vary. If you are planning to transfer, contact			
GENERAL EDUCATION ELECTIVES (6 CR)					the institution for admissions requirements.			
Speech Fundamentals	COM 109	3			Teacher Education Core Note:			
Elective*		3			To enroll and remain in the Teacher Education			
					Program students must maintain a cumulative GPA			
MATHEMATICS CORE (16 CR)					of 3.0 or higher.			
Precalculus	MAT 123	4			To enroll in EDU 111 and EDU 211 students must have a			
Analytic Geometry & Calculus I	MAT 131	4			cumulative GPA of 3.0 or higher.			
Analytic Geometry & Calculus II	MAT 132	4			+All developmental Math courses must be completed			
Calculus III	MAT 230	4			before enrolling in an EDU course. PSY 113 General Psychology is a pre-requisite orco-requisite of EDU 111			
OR					Teaching in America.			
Analytic Geometry & Calculus I	MAT 131	4			*See reverse side for choices.			
Analytic Geometry & Calculus II	MAT 132	4			****			
Calculus III	MAT 230	4			**You may take either CMP 128 or CMP 135.			
Ordinary Differential Equations	MAT 244	4			++PSY 113 General Psychology and EDU 111 Teaching			
					in America are pre-requisites.			
TEACHER EDUCATION CORE (12 CR)					+++Although Linear Algebra is recommended, you may			
Teaching in America+	EDU 111	3			substitute MAT 120, Math for Liberal Arts. Consult with the Mathematics Department Chairperson for further			
Behavior Observation in Education++	EDU 211	3			information.			
Linear Algebra+++	MAT 228	3			++++PSY 217 Educational Psychology is a			
Educational Psychology++++	PSY 217	3			pre/co-requisite to EDU 211 Behavior Observation in Education.			
					in Education.			
	TOTAL	60						

TEACHER EDUCATION MATHEMATICS #2150 - TEMAT

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
English Composition I	ENG 111	3	English Composition II	ENG 112	3
Humanities Elective		3	Teaching in America	EDU 111	3
Precalculus*	MAT 123	4	Calculus I OR	MAT 131	4
Calculus I	MAT 131		Calculus II	MAT 132	
Laboratory Science		4	Laboratory Science		4
General Psychology	PSY 113	<u>3</u>	Educational Psychology	PSY 217	<u>3</u>
	TOTAL	17		TOTAL	17
SEMESTER III			SEMESTER IV		
Behavior Observation in Education	EDU 211		General Education Elective		3
Social Science/Humanities Elective		3	Speech Fundamentals	COM 109	
Calculus II OR	MAT 132	4	Calculus III OR	MAT 230	
Calculus III	MAT 230		Ordinary Differential Equations	MAT 244	
Linear Algebra OR	MAT 228	3	Technology Elective		<u>3</u>
Math for Liberal Arts	MAT 120				
	TOTAL	13		TOTAL	13

^{*}Students with adequate preparation should take MAT 131 in their first semester.

GENERAL EDUCATION ELECTIVES:

Please select from the approved list of General Education courses. Click here for the most recent General Education course list.

HUMANITIES/SOCIAL SCIENCE ELECTIVES:

Please select from the approved list of General Education courses in Humanities and Social Sciences.

RESTRICTED LABORATORY SCIENCE ELECTIVES:

You may choose any two-part sequence of the following, however, please discuss your transfer plan with your academic advisor when selecting your science electives, as certain four-year institutions require specific choices.

• Unless otherwise noted, science courses listed below are each 4 CR, 8 CR for the sequence.

BIO 121-122 General Biology I, II

CHM 125/126 – 127/128 Gen. Chemistry I, II

PHY 125/126 – 127/128 Gen. Physics I, II

PHY 130 – PHY 133/134, Engineering Physics I, II (PHY 133 – 4 CR, PHY 134 – 1 CR) – sequence total is 9 CR.

HONORS COURSES:

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

NOTE:

To enroll and remain in the Teacher Education Program students must maintain a minimum GPA of 3.0.

To enroll in EDU 111 and EDU 211 students must have a cumulative GPA of 3.0 or higher.