RAMAPO COLLEGE OF NEW JERSEY

Computer Science

Recommended Graduation Plan (Fall 2025)

The recommended graduation plan is designed to provide a blueprint for students to complete their degrees on time. Students must meet with their Academic Advisor to develop a more individualized plan to complete their degree.

NOTE: This recommended Graduation Plan is applicable to students admitted into the major during the 2025-2026 academic year.

CRWT Placement
CRWT 101 to CRWT 102
CRWT 101S to CRWT 102S

Math Placement
MATH 021/022 to MATH 024 to MATH 110-121

NOTE: CRWT and MATH courses are determined by placement testing and should be taken following the sequence above.

First Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
CMPS 147-Computer Science I	4		CMPS 148-Computer Science II	4	
Gen Ed: MATH 110-Precalculus	4		MATH 121-Calculus I	4	
Gen Ed: INTD 101-First Year Seminar	4		CMPS 220-Assembly Language Programming	4	
Gen Ed: CRWT 102 - Critical Reading and Writing II	4		General Education Requirement	4	
			TAS Pathways Module 1: (SCIN-001) Career Assessment/ Advising		
Total:	16		**Total:**	16	

Second Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
CMPS 231-Data Structures	4		CMPS 311-Operating Systems **WI**	4	
MATH 237-Discrete Structures or MATH 205 Mathematical Structures **WI**	4		CMPS Elective	4	
General Education Requirement	4		General Education Requirement	4	
General Education Requirement	4		General Education Requirement	4	
TAS Pathways Module 2: (SCIN-002) Resume/CV Writing			TAS Pathways Module 3: (SCIN-003) Interview Preparation		
Total:	16		**Total:**	16	

Third Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
CMPS 361-Software Design	4		CMPS Elective	4	
CMPS Elective	4		CMPS Elective	4	
MATH Elective	4		MATH Elective	4	
General Education Requirement	4		General Education Requirement	4	
Total:	16		**Total:**	16	

Fourth Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
CMPS 366-Organization of Programming Languages	4		CMPS Elective	4	
CMPS Elective	4		CMPS 450: Senior Project **WI**	4	

CMPS Elective	4		Free Elective (minor, certificate, or second major requirement)	4	
Free Elective (minor, certificate, or second major requirement)	4		Free Elective (minor, certificate, or second major requirement)	4	
Total:	**16**		**Total:**	**16**	

Total Credits Required: 128 credits
GPA Required: 2.0
WI: Writing Intensive-3 required in the major

General Education courses can be done in any order with the exception of INTD 101, CRWT and MATH. Those three general education courses will need to be done first. First Year Seminar is taken in the first semester. Failure to complete CRWT and MATH will result in a hold when the student hits 64 credits. The following general education courses can be done in any order. For more info on these courses, please visit the [General Education program requirements website in the College Catalog](#):

- Social Science Inquiry (SOSC 110) *[+W]*
- Scientific Reasoning
- Historical Perspectives *[+W]*
- Studies in the Arts & Humanities (*CRWT 102 is a prerequisite to this course*) *[+W]*
- Global Awareness *[+W]*
- Distribution Category (Social Systems & Society **OR** Culture & Creativity **OR** Values and Ethics) **(Must be outside of TAS)**
- Distribution Category

+W: Students transferring in with 48 or more credits are waived from these general education requirements.