Suggested Course Sequence
B.A. Mathematics: Education & B.A. Computing & Informatics (for incoming **Freshmen**)

FIRST SEMESTER		SECOND SEMESTER	
CS 04-171 – Creating Android Apps *or* CS 01.104 – Intro to Sci. Programming (RS)[1] *or* CS 04.110 – Intro to Programming Using Robots	3	MATH 01.130 – Calculus I	4
General Education Course (**SBS**)	4	CS 04.103 – Computer Sci. and Programming	4
PHIL 09.130 – Intro to Symbolic Logic (HHL)	3	MATH 03.160 – Discrete Math	3
MATH 01.122 – Precalculus Mathematics	3	COMP 01.112 – College Composition II	3
COMP 01.111 – College Composition I	3		
TOTAL	16	TOTAL	14

THIRD SEMESTER		FOURTH SEMESTER	
MATH 01.131 – Calculus II	4	CS 04-225 – Principles of Data Structures	3
CS 01.210 – Intro to Comp NW & Data Comm	3	CS 04.210 – Adv Programming Workshop: Y	2
CS 04.210 – Adv Programming Workshop: X	2	MATH 01.230 – Calculus III	4
CMS-04.205 – Public Speaking	3	MATH 01.210 – Linear Algebra	3
Computing and Informatics Elective[3]	3	General Education Course (**SBS**)	3
TOTAL	15	TOTAL	15

FIFTH SEMESTER		SIXTH SEMESTER	
MIS 02-338 – Design of Database Systems	3	INTR 01.266 – Computers and Society[4] (**WI/SBS**)	3
Computing and Informatics Elective[3]	3	MATH 01.361 – Real and Complex Variables	3
MATH 01.340 – Modern Algebra	3	MATH 01.232 – Mathematical Modeling	3
PHYS 00.220 Introductory Mechanics	4	PHYS 00.222/ 00.221 Intro to E/M OR Intro to Thermo/Fluids/Waves/Optics	4
STAT 02.295 – Concepts in Stat Data Analysis	3	General Education Course (LIT/HHL)	3
TOTAL	16	TOTAL	16

SEVENTH SEMESTER		EIGHTH SEMESTER	
CS 10.310 – Intro to Web Development	3	CS 10.430 – C&I Capstone Experience	3
Computing and Informatics Elective[3]	3	Computing and Informatics Elective[3]	3
MATH 01.410 – History of Math	3	MATH 01.499– Math Seminar for Educators (WI)	3
Non-program Elective (MG if not already taken)	3	**Approved Mathematics Elective**	3
MATH 01.310 – College Geometry	4	**Non-program Elective (ACE** if not already taken)	3
TOTAL	16	TOTAL	15

[1] Rowan Seminar: all freshmen must enroll in a Rowan Seminar course. | [2] The Mathematics choice should be carefully considered in a discussion with your advisor. | [3] Consult with advisor for recommendations. | | [4] Rowan's Writing Intensive requirement is satisfied by the Writing Intensive version of Computers and Society. | [5] Consult with advisor to discuss resources for internship acquisition like CHSS Match Internship Program and internship details to count as Free Elective credit. Can earn maximum **12 free elective credits** through Internship in the Applied LA

Suggested Course Sequence
B.A. Mathematics: Education & B.A. Computing & Informatics (Second Semester Start)

FIRST SEMESTER		SECOND SEMESTER	
CS 04-171 – Creating Android Apps *or* CS 01.104 – Intro to Sci. Programming (RS)[1] *or* CS 04.110 – Intro to Programming Using Robots	3	MATH 01.122 – Precalculus Mathematics	4
General Education Course **(SBS)**	3	CS 04.103 – Computer Sci. and Programming	4
PHIL 09.130 – Intro to Symbolic Logic (HHL)	3	General Education Course **(SBS)**	3
Non-program Elective (ACE)	3	General Education Course (LIT/HHL)	3
COMP 01.111 – College Composition I	3	COMP 01.112 – College Composition II	3
TOTAL	15	TOTAL	17

THIRD SEMESTER		FOURTH SEMESTER	
MATH 01.130 – Calculus I	4	CS 04-225 – Principles of Data Structures	3
MATH 03.160 – Discrete Math	3	CS 04.210 – Adv Programming Workshop: Y	2
CS 04.210 – Adv Programming Workshop: X	2	MATH 01.131 – Calculus II	4
CMS-04.205 – Public Speaking	3	PHYS 00.220 Introductory Mechanics	4
CS 01.210 – Intro to Comp NW & Data Comm	3		
TOTAL	15	TOTAL	13

FIFTH SEMESTER		SIXTH SEMESTER	
MIS 02-338 – Design of Database Systems	3	MATH 01.310 – College Geometry	4
MATH 01.230 – Calculus III	4	MATH 01.340 – Modern Algebra	3
PHYS 00.222/ 00.221 Intro to E/M OR Intro to Thermo/Fluids/Waves/Optics	3	Computing and Informatics Elective[3]	3
MATH 01.210 – Linear Algebra	4	MATH 01.232 – Mathematical Modeling	3
INTR 01.266 – Computers and Society[4] **(WI/SBS)**	3	Computing and Informatics Elective[3]	3
TOTAL	17	TOTAL	16

SEVENTH SEMESTER		EIGHTH SEMESTER	
CS 10.310 – Intro to Web Development	3	CS 10.430 – C&I Capstone Experience	3
Computing and Informatics Elective[3]	3	Computing and Informatics Elective[3]	3
MATH 01.361 – Real and Complex Variables	3	MATH 01.499– Math Seminar for Educators (WI)	3
Non-program Elective (MG if not already taken)	3	MATH 01.410 – History of Math	3
STAT 02.295 – Concepts in Stat Data Analysis	3	Approved Mathematics Elective	3
TOTAL	15	TOTAL	15

[1] Rowan Seminar: all freshmen must enroll in a Rowan Seminar course. | [2]The Mathematics choice should be carefully considered in a discussion with your advisor. | [3] Consult with advisor for recommendations. || [4]Rowan's Writing Intensive requirement is satisfied by the Writing Intensive version of Computers and Society. | [5]Consult with advisor to discuss resources for internship acquisition like CHSS Match Internship Program and internship details to count as Free Elective credit. Can earn maximum **12 free elective credits** through Internship in the Applied LA

Additional Important Information

==General Education Courses in Computing & Informatics Major==
Intro to Scientific Programming, 3 S.H.
Computer Science & Programming, 4 S.H.
Intro to Comp NW & Data Comm, 3 S.H.
10 General Education S.H. in C&I courses.

Computers and Society is **WI** and **SBS**

==Recommended Math Courses for Computing & Informatics Majors==
Statistics I, 3 S.H.
Precalculus, 4 S.H.
Calculus I, 4 S.H.
Calculus Techniques & Applications, 3 S.H.

==Lab Science Requirement for Computing & Informatics Majors==
LAB satisfied by any 4-credit lab course through Biological Sciences, Chemistry & Biochemistry, or Physics & Astronomy.

==Career Planning and Development==
Career Planning and Development, INTR 01488, is a 2-credit, free-elective course that runs for 8 weeks (first 8 weeks of the semester or final 8 weeks of the semester). The online course allows students the opportunity to create meaning for coursework and professional experience. Students engage in a FOCUS2 self-assessment, career exploration, job search strategies, and decision making. Students also create and revise a resume and cover letter. The course also promotes campus engagement as the final assignment requires students to participate in a career-related event sponsored by the Office of Career Advancement. The course is offered Fall, Spring, and Summer.

==Internship in the Applied Liberal Arts==
Internship in the Applied Liberal Arts, INTR 20399, is a 2-6 credit course, per semester, that allows students the opportunity to explore the wide variety of careers open to students with degrees in the humanities and social sciences. This program will allow Rowan students to explore careers in the corporate, non-profit, and public sectors. Currently, the College of Humanities and Social Sciences has the **CHSS Match Internship Program.** This program assist students with resume development, interview skills, and professionalism training. The CHSS Match Internship Program facilities internship matches for students. These internship matches align with the interest and skill-set of the students. The course is offered Fall, Spring, and Summer. Students may earn a maximum of **12 S.H.** through the Internship in the Applied Liberal Arts course.