

# B.S. in Computing and Business

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(120 credits minimum)

## First Year

1st Semester		Credits
CS 100	Roadmap to Computing	3
ENGL 101	English Composition: Introduction to Academic Writing	3
MATH 111	Calculus I	4
Science Literacy with Lab GER ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/</a> )		4
FYS SEM	First-Year Student Seminar	0
<b>Term Credits</b>		<b>14</b>

## 2nd Semester

CS 113	Introduction to Computer Science	3
MATH 112	Calculus II	4
ENGL 102	English Composition: Introduction to Writing for Research	3
Science Literacy with Lab GER ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/</a> )		4
<b>Term Credits</b>		<b>14</b>

## Second Year

### 1st Semester

CS 114	Introduction to Computer Science II	3
ACCT 117	Principles Of Fin Accountng	3
MATH 333	Probability and Statistics	3
History and Humanities GER 200 level ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-200-level/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-200-level/</a> )		3
ECON 201	Economics	3
<b>Term Credits</b>		<b>15</b>

### 2nd Semester

COM 312 or COM 313	Oral Presentations or Technical Writing	3
CS 280	Programming Language Concepts	3
MGMT 216	Business Data Analytics	3
CS 241	Foundations of Computer Science I	3
YWCC 207	Computing & Effective Com	1
IS 350	Computers, Society and Ethics	3
<b>Term Credits</b>		<b>16</b>

## Third Year

### 1st Semester

FIN 315	Fundamentals of Corporate Finance	3
MRKT 330	Principles of Marketing	3
CS 288	Intensive Programming in Linux	3
CS 332	Principles of Operating Systems	3
HRM 301	Organizational Behavior	3
<b>Term Credits</b>		<b>15</b>

### 2nd Semester

IS 344	Computing Applications in Business	3
CS 356	Introduction to Computer Networks	3
IT 310	E-Commerce Technology	3
OM 375	Business Operations Management and Analytics	3
CS 331	Database System Design & Mgmt	3

YWCC 307	Professional Dev in Computing	1
<b>Term Credits</b>		<b>16</b>
<b>Fourth Year</b>		
<b>1st Semester</b>		
MGMT 391	International Business	3
History and Humanities GER 300+ level ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/</a> )		3
CS 351	Introduction to Cybersecurity	3
Free Elective		3
CS 490	Guided Design in Software Engineering	3
<b>Term Credits</b>		<b>15</b>
<b>2nd Semester</b>		
CS 435	Advanced Data Structures and Algorithm Design	3
CS 491	Senior Project	3
Humanities and Social Science Senior Seminar GER ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/hss-capstone/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/hss-capstone/</a> )		3
Business Elective-Select one 200 level or higher from the following subjects:		3
ACCT, ENTR, FIN, HRM, MRKT, MGMT (excluding MGMT 390)		
Free Elective		3
<b>Term Credits</b>		<b>15</b>
<b>Total Credits</b>		<b>120</b>

**Minimum Grades:**

Prerequisite grade requirement for Computing and Business majors:

Students are expected to earn a grade of B or better in CS 100. Students are expected to earn a grade of C or better in all CS courses that serve as prerequisites in a sequence of courses.

See the **General Education Requirements** "Refer to the General Education Requirements for specific information for GER courses"

*This curriculum represents the maximum number of credits per semester for which a student is advised to register. A full-time credit load is 12 credits.*

*First-year students are placed in a curriculum that positions them for success which may result in additional time needed to complete curriculum requirements. Continuing students should consult with their academic advisor to determine the appropriate credit load.*