### Developmental Education Courses (if required)
- ☐ ACLS050 Introduction to Academic Literacy
- ☐ ENGL027 Writing Skills Workshop
  - ☐ MATH020 Pre-Algebra
  - ☐ MATH022 Elementary Algebra
  - ☐ MATH026 Intermediate Algebra

### Course Listing

<table>
<thead>
<tr>
<th>Semester 1</th>
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<tbody>
<tr>
<td>Location: B= BETH, M= MROE, S=SBTH, E= ESTN, D= DIST</td>
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<tr>
<td>Course #</td>
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</tr>
<tr>
<td>☐ COLS101</td>
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<tr>
<td>☐ ENGL101</td>
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<tr>
<td>☐ CISC115</td>
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<td>☐ MATH</td>
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<tr>
<td>☐ SSHB General Education Elective</td>
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<th>Semester 2</th>
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<tr>
<td>☐ CISC125</td>
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<tr>
<td>☐ CMTH102</td>
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<tr>
<td>☐ ENGL151L</td>
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<td>☐ MATH165 or MATH180</td>
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<td>☐ Elective</td>
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<th>Semester 3</th>
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<td>Course #</td>
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<td>☐ CISC230</td>
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<tr>
<td>☐ Science Elective</td>
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<tr>
<td>☐ AH General Education Elective</td>
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<td>☐ Elective</td>
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<th>Semester 4</th>
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<tr>
<td>☐ CISC225</td>
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<tr>
<td>☐ CISC280 or CISC286</td>
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<td>☐ SIT General Education Elective</td>
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<td><strong>Total Semester Credits:</strong></td>
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<tr>
<td><strong>Total Degree Credits:</strong></td>
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### General Education Requirements
- ☐ ENGL151L Diversity
- ☐ Writing Intensive

Recommended SSHB Elective: PSYC103G – Introduction to Psychology (WI)
Recommended AH Elective: PHIL201 – Introduction to Philosophy
Recommended Science Elective: PHYS101 – Physics I
Recommended SIT Elective: HIST210 – History of Modern Science

Two courses must be taken in Writing Intensive (WI) sections. One must be selected must be either PHIL111G (AH), PHIL202G (AH), or PSYC103G (SSHB).
Program Narrative:
- Northampton's associate's degree in Computer Information Systems parallels the first two years of most information systems bachelor's degree programs. By working closely with your advisor, you can earn transferable credits that will allow you to enter a four-year institution with the first two years of course material completed. You'll save thousands of dollars on your education in the process.
- Our curriculum includes computer programming, introductory computer architecture, and general education courses. A computer science elective will allow you to expand your knowledge in the area of operating systems or microcomputers.

Program Learning Outcomes:
- Possess a fundamental and comprehensive understanding of the current field of computing upon which future growth within the field can be realized.
- Be equipped with computer competencies necessary to compete in the business world.
- Use critical thinking to evaluate computing problems and explore options for their solution.
- Apply effective approaches for problem solving and data modeling.
- Solve problems related to business computing and implement these solutions.
- Possess an awareness of the ethical concerns of computing professionals.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BIOS 104</td>
<td>Field Ecology</td>
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<tr>
<td>BIOS 105</td>
<td>Contemporary Biology (G-WI)</td>
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<tr>
<td>BIOS 107</td>
<td>Biology I</td>
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<tr>
<td>BIOS 110</td>
<td>In Your Genes: Intro to Mod Genetics</td>
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<td>BIOS 115</td>
<td>Essentials of Biology</td>
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<td>BIOS 126</td>
<td>Environmental Science</td>
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<td>BIOS 150</td>
<td>Biology II</td>
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<td>BIOS 160</td>
<td>Human Biology</td>
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<td>BIOS 202</td>
<td>Microbiology for Allied Health</td>
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<td>BIOS 204</td>
<td>Human Anatomy and Physiology</td>
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<td>BIOS 206</td>
<td>General Ecology</td>
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<td>CHEM 105</td>
<td>Chemistry in Contemporary Society</td>
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<td>CHEM 120</td>
<td>General Chemistry I</td>
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<td>CHEM 135</td>
<td>Chemistry of Life</td>
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<td>GEOG 150</td>
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<td>Physics for Science and Engineering</td>
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<tr>
<td>PHYS 225</td>
<td>Physics for Science and Engineering</td>
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</tbody>
</table>

### Science (SCI)

- **Accounting** – only ACCT 100, 101, 151, 201, 202, 251
- **Architecture** – only ARCH 100
- **Art** – only ARTA 101, 111, 161, 162, 291, 292, 293
- **Biological Science** – all BIOS except 281, 282, 283
- **Business** – only BUSA 101, 115, 152, 201, 202, 205, 232, 272
- **Chemistry** – only CHEM 105, 120, 135, 202, 225, 251, 260, 291, 292, 293, 294
- **College Success** – only COLS 101, 120
- **Communications** – all CMTH except 180, 182, 185, 240, 252
- **Computer/Information Science** – only CISC 101, 104, 115, 125, 225, 230, 270
- **Counseling** – only COUN 100, 291, 292, 293
- **Mathematics** – all MATH except 180, 181, 182, 202, 210, 211
- **Music** – all MUSC
- **Nutrition** – NUTR 105
- **Philosophy** – all PHIL
- **Physical Education** – any PHED courses up to a max of two credits
- **Physics** – all PHYS
- **Political Science** – all POLS
- **Publishing** – 101, 102
- **Psychology** – all PSYC except 221
- **Sociology**/Anthropology – all SOCA
- **Special Education** – SPED 160

### Quantitative Literacy (QL)

- **Math 140 College Algebra**
- **Math 145 Trigonometry**
- **Math 160 PreCalculus**
- **Math 165 Applied Calculus**
- **Math 175 Calculus (part 1)**
- **Math 176 Calculus and Review (part 2)**
- **Math 180 Calculus I**
- **Math 210 Calculus III**
- **Math 211 Differential Equations**

### Electives for A.A. & A.S. Degrees

- **Accounting** – only ACCT 100, 101, 151, 201, 202, 251
- **Architecture** – only ARCH 100
- **Art** – only ARTA 101, 111, 161, 162, 291, 292, 293
- **Biological Science** – all BIOS except 281, 282, 283
- **Business** – only BUSA 101, 115, 152, 201, 202, 205, 232, 272
- **Chemistry** – only CHEM 105, 120, 135, 202, 225, 251, 260, 291, 292, 293, 294
- **College Success** – only COLS 101, 120
- **Communications** – all CMTH except 180, 182, 185, 240, 252
- **Computer/Information Science** – only CISC 101, 104, 115, 125, 225, 230, 270
- **Counseling** – only COUN 100, 291, 292, 293
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- **Political Science** – all POLS
- **Publishing** – 101, 102
- **Psychology** – all PSYC except 221
- **Sociology**/Anthropology – all SOCA
- **Special Education** – SPED 160

### Writing Intensive Gen Ed Courses (WI)

- **BIO 105 Contemporary Biology**
- **CMTH 211G Plays: Classical to Cont**
- **ENGL 201G British Literature I**
- **ENGL 203G Shakespeare**
- **ENGL 205G American Literature I**
- **ENGL 211G Plays: Classical to Contemporary**
- **ENGL 215G Multicultural Adolescent Literature**
- **ENGL 250G African American Literature**
- **ENGL 251G British Literature II**
- **ENGL 255G American Literature II**
- **ENGL 256G Modern Poetry**
- **ENGL 257G 20th Century Lit by Women**
- **ENGL 260G Contemporary Literature**
- **ENGL 264G Irish Literature**
- **ENGL 265G African American Literature**
- **GEOG 121G Environmental Sustainability**
- **GEOG 151G Geography of the US & Canada**
- **HUMA 113G American History I**
- **HIST 121G The Black Experience**
- **HIST 135G Found of Euro Hist (1300-1815)**
- **HIST 166G Civil War and Reconstruction**
- **HIST 168G History of the Middle East**
- **HIST 173G Mod Euro History, 1815 to Present**
- **ENGL 205G American Literature I**
- **ENGL 215G Multicultural Adolescent Lit (G-WI)**
- **ENGL 216G American Literature (G-WI)**
- **ENGL 218G American Literature (G-WI)**
- **ENGL 220G Modern Dance II**
- **ENGL 230G Jazz II**
- **ENGL 240G American Literature I (G-WI)**
- **ENGL 245G Shakespeare (G-WI)**
- **ENGL 250G American Literature I (G-WI)**
- **ENGL 251G American Literature II (G-WI)**
- **ENGL 252G American Literature III (G-WI)**
- **ENGL 254G American Literature IV (G-WI)**
- **ENGL 256G Modern Poetry (G-WI)**
- **ENGL 257G 20th Century Lit by Women (G-WI)**
- **ENGL 258G Modern Poetry (G-WI)**
- **ENGL 259G Modern Poetry (G-WI)**
- **ENGL 260G Contemporary Literature**
- **ENGL 264G Irish Literature**
- **ENGL 265G African American Literature**
- **GEOG 121G Environmental Sustainability**
- **GEOG 151G Geography of the US & Canada**
- **HUMA 113G American History I**
- **HIST 121G The Black Experience**
- **HIST 135G Found of Euro Hist (1300-1815)**
- **HIST 166G Civil War and Reconstruction**
- **HIST 168G History of the Middle East**
- **HIST 173G Mod Euro History, 1815 to Present**
- **HUMA 121G The American Work Experience**
- **HUMA 140G Intro to Women & Gender Studies**
- **HUMA 145G Introduction to Psychology**
- **HUMA 205G Research Methods in the Social Sciences**
- **PHIL 111G On Death and Dying**
- **PHIL 202G Ethics and Moral Problems**
- **POL 105G American Constitutional Law**
- **POL 110G American National Government**
- **POL 205G Women and Politics**
- **POL 251G State and Local Government**
- **PSYC 103G Introduction to Psychology**
- **PSYC 258G Developmental Psychology**
- **SOCA 120G Cultural Anthropology**
- **SOCA 123G Principles of Sociology**
- **SOCA 125G Sociology of Families**
- **ECON 201 Macroeconomics**
- **GEOG 121G Environmental Sustainability (G-WI)**
- **GEOG 140 Investigating Climate Change**
- **GEOG 271 Intro to Geographic Info Systems**
- **HUMA 250 Research Methods in Social Sciences (G-WI)**
- **INTS 250 Study Abroad**
- **PSYC 103 Research Methods**
- **PSYC 230 Introduction to Health Psychology**
- **PSYC 235 Dev Child Psychopathology**
- **PSYC 245 Cognitive Psychology**
- **PSYC 255 Abnormal Psychology**
- **PSYC 258 Developmental Psychology (G-WI)**
- **PSYC 265 Psychology of Sex and Gender**
- **SOCA 103 Principles of Sociology (G-WI)**
- **SOCA 125 Sociology of Families (G-WI)**
- **SOCA 210 Sociology of Gender**