DEPARTMENT OF APPLIED TECHNOLOGY
SCHOOL OF BUSINESS AND TECHNOLOGY

Dr. Roy Gardner, Department Head

Dr. Tetyana Kyrylova
Mr. Thomas Luscomb

Dr. Peter Macpherson
Mr. Curtis Sparling

DEPARTMENT MISSION STATEMENT
AND GOALS

The Department of Applied Technology is one of three departments in the School of Business and Technology (SBT) at Rogers State University (RSU), located in northeastern Oklahoma, governed by the University of Oklahoma Board of Regents within a state system coordinated by the Oklahoma State Regents for Higher Education. The mission of the Department of Applied Technology is to support the SBT and RSU in their mission to prepare students to achieve professional and personal goals in dynamic local and global communities. Specifically, the organizational structure of the Department of Applied Technology provides the technology course support for the Associate in Science and Associate in Applied Science degrees, as well as the Bachelor of Science in Business Information Technology, the Bachelor of Science in Game Development, and the Bachelor of Technology in Applied Technology. As indicated, many of the programs offered by the Department of Applied Technology are available online.

PROGRAMS OF STUDY

Bachelor of Science
- Business Information Technology
  - Option: Computer Network Administration
  - Option: Software Development and Multimedia
- Game Development

Bachelor of Technology
- Applied Technology
  - Option: Renewable Energy Management

Minor
- Computer Science

Associate in Science
- Computer Science

Associate in Applied Science
- Applied Technology

♦Available online at www.rsu.edu.
**BACHELOR OF SCIENCE**  
**BUSINESS INFORMATION TECHNOLOGY (108)**  
OPTION: COMPUTER NETWORK ADMINISTRATION (108N)†  
OPTION: SOFTWARE DEVELOPMENT AND MULTIMEDIA (108S)‡

† Options are offered online at www.rsuonline.edu

The Bachelor of Science in Business Information Technology is designed to meet the growing demand for information technology specialists who are able to communicate effectively and are knowledgeable of business needs. Students may choose from options in Computer Network Administration or Software Development and Multimedia.

**REQUIRED HOURS** ........................................... 124

<table>
<thead>
<tr>
<th>Communications</th>
<th>Social and Behavioral Sciences</th>
<th>Science and Mathematics</th>
<th>Mathematics</th>
<th>Humanities</th>
<th>Global Studies</th>
<th>Elective</th>
</tr>
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<tbody>
<tr>
<td>ENGL 1113 Composition I</td>
<td>History 1113 American History to 1877</td>
<td>CHEM 1315 General Chemistry I</td>
<td>MATH 1503 Mathematics for Critical Thinking</td>
<td>ART (HUM) 1113 Art Appreciation</td>
<td>BACHELOR OF SCIENCE</td>
<td>Select three additional hours from the courses listed above and not previously selected.</td>
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<tr>
<td>ENGL 1213 Composition II</td>
<td>HIST 2493 American History since 1877</td>
<td>GEOL 1014 Earth Science</td>
<td>MATH 1513 College Algebra</td>
<td>COMM (HUM) 2413 Theatre Appreciation</td>
<td>ECON 3003 International Economic Issues and Policies</td>
<td><strong>Select from the following:</strong></td>
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<tr>
<td>SPCH 1113 Speech Communication</td>
<td>POLS 1113 American Federal Government</td>
<td>GEOL 1114 Physical Geology</td>
<td>BIOL 3103 Plants and Civilization</td>
<td>ENGL 2613 Introduction to Literature</td>
<td>GEOG 2243 Human Geography</td>
<td><strong>Select from the following:</strong></td>
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<tr>
<td></td>
<td></td>
<td>GEOL 1124 Physical Geography</td>
<td>ECON 3003 International Economic Issues and Policies</td>
<td>HUM 2113 Humanities I</td>
<td>GERM 1113 Beginning German I</td>
<td><strong>Select from the following:</strong></td>
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<tr>
<td></td>
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<td>GEOL 1224 Historical Geology</td>
<td>BIOL 3103 Plants and Civilization</td>
<td>HIST 2013 World Civilization I</td>
<td>HIST 2023 World Civilization II</td>
<td><strong>Select from the following:</strong></td>
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<tr>
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<td>GEOL 2124 Astronomy</td>
<td>ECON 3003 International Economic Issues and Policies</td>
<td>HIST 2013 World Civilization I</td>
<td>HUM 3633 Comparative Religion</td>
<td><strong>Select from the following:</strong></td>
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<td>PHYS 1014 General Physical Science</td>
<td>BIOL 3103 Plants and Civilization</td>
<td>LANG 1113 Foundations of World Languages</td>
<td>NAMS 1143 Native Americans of North America</td>
<td><strong>Select from the following:</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHYS 1114 General Physics I</td>
<td>BIOL 3103 Plants and Civilization</td>
<td>NAMS 2503 Cherokee I</td>
<td>PHIL 1113 Introduction to Philosophy</td>
<td><strong>Select from the following:</strong></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PHIL 1313 Values and Ethics</td>
<td>POLS 3053 International Relations</td>
<td><strong>Select from the following:</strong></td>
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<td>PHYS 1014 General Physical Science</td>
<td>SOC 3213 Minority Groups</td>
<td><strong>Select from the following:</strong></td>
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<td></td>
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<td>PHYS 1114 General Physics I</td>
<td>SPAN 1113 Beginning Spanish I</td>
<td><strong>Select from the following:</strong></td>
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*Select from the following:*
- MATH 1503 Mathematics for Critical Thinking
- MATH 1513 College Algebra
- MATH 1613 Trigonometry
- MATH 1715 Pre-Calculus
- MATH 2264 Analytical Geometry and Calculus I

*Select from the following:*
- ART (HUM) 1113 Art Appreciation
- COMM (HUM) 2413 Theatre Appreciation
- ENGL 2613 Introduction to Literature
- HUM 2113 Humanities I
- HUM 2223 Humanities II
- HUM 2893 Cinema
- MUSC (HUM) 2573 Music Appreciation
- PHIL 1113 Introduction to Philosophy
- BIOL 3103 Plants and Civilization
- ECON 3003 International Economic Issues and Policies
- GEOG 2243 Human Geography
- GERM 1113 Beginning German I
- HIST 2013 World Civilization I
- HIST 2023 World Civilization II
- HUM 3633 Comparative Religion
- LANG 1113 Foundations of World Languages
- NAMS 1143 Native Americans of North America
- NAMS 2503 Cherokee I
- PHIL 1113 Introduction to Philosophy
- PHIL 1313 Values and Ethics
- POLS 3053 International Relations
- SOC 3213 Minority Groups
- SPAN 1113 Beginning Spanish I
- Select three additional hours from the courses listed above and not previously selected.
### Program Core Requirements .......................... 32
- **CS** 1213 Introduction to Computing
- **CS** 2223 Programming I
- **CS** 2323 Programming II
- **CS** 3223 Data Modeling
- **CS** 3413 Systems Analysis
- **CS** 3623 Human-Computer Interface Development
- **IT** 1411 Orientation to Computer Technology
- **IT** 2143 Introduction to Networking
- **IT** 2153 Network Operating Systems I
- **IT** 3723 Computer Architecture
- **IT** 4504 Practicum and Capstone

### Computer Network Administration Option ........... 15
- **IT** 3153 Network Operating Systems II
- **IT** 4113 Network Routing

*Select from the following to equal 9 credit hours:*
- **IT** 3253 Advanced TCP/IP Administration
- **IT** 3753 Network Security
- **IT** 4353 Information Assurance and Security Management
- **IT** 4373 Information Assurance Regulations and Ethics
- **TECH** 3023 Emerging Technologies

### Software Development and Multimedia Option ......... 15
- **CS** 3363 Data Structures

*Select from the following to equal 12 credit hours:*
- **CS** 3213 Multimedia Development
- **CS** 3333 Object-Oriented Technology
- **CS** 3343 Mobile Application Development
- **CS** 3423 Software Engineering
- **CS** 3523 Distributed Systems Development
- **CS** 4523 Advanced Web System Development
- **IT** 3113 Integrated Applications
- **TECH** 3023 Emerging Technologies

### Business Support Courses ............................. 24
- **ACCT** 2103 Accounting I–Financial
- **ACCT** 2203 Accounting II–Managerial
- **BADM** 2843 Business Statistics

*Select from the following:*
- **ECON** 2113 Principles of Macroeconomics
  - **or**
  - **ECON** 2123 Principles of Microeconomics

### Selected Electives ................................... 12
Electives will be chosen to complete the 124 credit hours required for graduation; six credit hours of the electives must be regarded as liberal arts and sciences.

### Total Credit Hours ................................. 124
**BACHELOR OF SCIENCE**
**GAME DEVELOPMENT (117)**

The Bachelor of Science in Game Development is designed to provide students with the highest possible quality education in the areas of game development and general education. It will provide the student with a baccalaureate-level education focused on preparing the student to gain employment in the game development field or to pursue graduate education. The Game Development degree has additional entrance requirements of a 3.0 (on a 4.0 scale) high school GPA and a composite score of 25 on the ACT.

REQUIRED HOURS .......................... 124

**Communications** .......................... 9
- ENGL 1113 Composition I
- ENGL 1213 Composition II
- SPCH 1113 Speech Communication

**Social and Behavioral Sciences** .......................... 9
*Select from the following:*
- HIST 2483 American History to 1877
- HIST 2493 American History since 1877
- POLS 1113 American Federal Government

**Social Science** .......................... 3
*Select from the following:*
- ECON 2113 Principles of Macroeconomics
- ECON 2123 Principles of Microeconomics
- PSY 1113 Introduction to Psychology
- SOC 1113 Introduction to Sociology

**Science and Mathematics** .......................... 12
*Select from the following:*
- CHEM 1315 General Chemistry I
- GEOL 1014 Earth Science
- GEOL 1114 Physical Geology
- GEOL 1124 Physical Geography
- GEOL 1224 Historical Geology
- GEOL 2124 Astronomy
- PHYS 1014 General Physical Science
  - *PHYS 1114 General Physics I

**Biological Science** .......................... 4
*Select from the following:*
- BIOL 1114 General Biology
- BIOL 1134 General Environmental Biology
- BIOL 1144 General Cellular Biology

**Mathematics** .......................... 4
*Select from the following:*
- MATH 1503 Mathematics for Critical Thinking
- MATH 1513 College Algebra
- MATH 1613 Trigonometry
- MATH 1715 Pre-Calculus
  - *MATH 2264 Analytical Geometry and Calculus I

**Humanities** .......................... 6
*Select from the following:*
- ART (HUM) 1113 Art Appreciation
- COMM (HUM) 2413 Theatre Appreciation
- ENGL 1113 Composition I
- ENGL 1213 Composition II
- SPCH 1113 Speech Communication

**Global Studies** .......................... 3
*Select from the following:*
- BIOL 1303 Plants and Civilization
- ECON 3003 International Economic Issues and Policies
- GEOG 2243 Human Geography
- GERM 1113 Beginning German I
- HIST 2013 World Civilization I
- HIST 2023 World Civilization II
- HUM 3633 Comparative Religion
- LANG 1113 Foundations of World Languages
- NAMS 1143 Native Americans of North America
- NAMS 2503 Cherokee I
- PHIL 1313 Values and Ethics
- POLS 3053 International Relations
- SOC 3213 Minority Groups
- SPAN 1113 Beginning Spanish I

**Elective** .......................... 3
*Select three additional hours from the courses listed above and not previously selected.*

*Required
### Program Core Requirements: 70

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Course Title</th>
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<tr>
<td>ART</td>
<td>1103</td>
<td>Art Foundations I</td>
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<tr>
<td>BADM</td>
<td>2843</td>
<td>Business Statistics</td>
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<tr>
<td>CS</td>
<td>1213</td>
<td>Introduction to Computing</td>
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<tr>
<td>CS</td>
<td>1413</td>
<td>Introduction to Game Development</td>
</tr>
<tr>
<td>CS</td>
<td>2223</td>
<td>Programming I</td>
</tr>
<tr>
<td>CS</td>
<td>2323</td>
<td>Programming II</td>
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<tr>
<td>CS</td>
<td>2553</td>
<td>3D Modeling</td>
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<tr>
<td>CS</td>
<td>3343</td>
<td>Mobile Application Development</td>
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<tr>
<td>CS</td>
<td>3363</td>
<td>Data Structures</td>
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<tr>
<td>CS</td>
<td>3413</td>
<td>Systems Analysis</td>
</tr>
<tr>
<td>CS</td>
<td>3553</td>
<td>3D Character Rigging and Animation</td>
</tr>
<tr>
<td>CS</td>
<td>3623</td>
<td>Human-Computer Interface Development</td>
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<tr>
<td>CS</td>
<td>3733</td>
<td>Computer Graphics Programming</td>
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<tr>
<td>CS</td>
<td>3753</td>
<td>Introduction to Modeling and Simulation</td>
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<tr>
<td>CS</td>
<td>3813</td>
<td>Game Programming I</td>
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<tr>
<td>CS</td>
<td>3823</td>
<td>Game Programming II</td>
</tr>
<tr>
<td>CS</td>
<td>4403</td>
<td>Game Development Seminar</td>
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<tr>
<td>CS</td>
<td>4503</td>
<td>Capstone</td>
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<tr>
<td>ENGL</td>
<td>3033</td>
<td>Creative Writing for the Popular Market</td>
</tr>
<tr>
<td>ENGL</td>
<td>4453</td>
<td>Literary Traditions</td>
</tr>
<tr>
<td>IT</td>
<td>1411</td>
<td>Orientation to Computer Technology</td>
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<tr>
<td>IT</td>
<td>2143</td>
<td>Introduction to Networking</td>
</tr>
<tr>
<td>MATH</td>
<td>3523</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>PHYS</td>
<td>3113</td>
<td>Physics for Gaming</td>
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</table>

### Selected Electives: 12

- **CS 3813** Game Programming I
- **CS 3823** Game Programming II
- **CS 4403** Game Development Seminar
- **CS 4503** Capstone
- **ENGL 3033** Creative Writing for the Popular Market
- **ENGL 4453** Literary Traditions
- **IT 1411** Orientation to Computer Technology
- **IT 2143** Introduction to Networking
- **MATH 3523** Linear Algebra
- **PHYS 3113** Physics for Gaming

### Total Credit Hours: 124
The Bachelor of Technology in Applied Technology is designed to provide educational opportunities for individuals who possess an Associate in Applied Science degree or equivalent and need additional education in order to perform job requirements or to advance their professional careers. The degree program consists of 41 hours in general education, 30 hours (minimum) in a technical specialty, 40 hours in the professional program core, and 9 hours of electives.

The Renewable Energy Management option offers students opportunities for career advancement in the renewable energy industry. The studies include fundamentals of energy management, renewable energy technology, supply chain management, and accounting for the renewable energy industry. Students in this option are required to have completed at least 15 credit hours of renewable energy or related subject courses. These credit hours will be applied toward the 30 credit hours of the technical specialty.

REQUIRED HOURS .......................... 120

Communications ............................. 9
ENGL 1113 Composition I
ENGL 1213 Composition II
SPCH 1113 Speech Communication

Social and Behavioral Sciences ................. 9
History ...................................... 3
Select from the following:
HIST 2483 American History to 1877
HIST 2493 American History since 1877

POLS 1113 American Federal Government ....... 3

Social Science .............................. 3
Select from the following:
ECON 2113 Principles of Macroeconomics
ECON 2123 Principles of Microeconomics
PSY 1113 Introduction to Psychology
SOC 1113 Introduction to Sociology

Science and Mathematics ...................... 11
Physical Science ............................ 4
Select from the following:
CHEM 1315 General Chemistry I
GEOL 1014 Earth Science
GEOL 1114 Physical Geology
GEOL 1124 Physical Geography
GEOL 1224 Historical Geology
GEOL 2124 Astronomy
*PHYS 1014 General Physical Science
PHYS 1114 General Physics I

Biological Science .......................... 4
Select from the following:
BIOL 1114 General Biology
BIOL 1134 General Environmental Biology
BIOL 1144 General Cellular Biology

Mathematics ................................. 3
Select from the following:
MATH 1503 Mathematics for Critical Thinking
MATH 1513 College Algebra
MATH 1613 Trigonometry
MATH 1715 Pre-Calculus
MATH 2264 Analytical Geometry and Calculus I

Humanities .................................. 6
Select from the following:
ART (HUM) 1113 Art Appreciation
COMM (HUM) 2413 Theatre Appreciation
ENGL 2613 Introduction to Literature
HUM 2113 Humanities I
HUM 2223 Humanities II
HUM 2893 Cinema
MUSC (HUM) 2573 Music Appreciation
PHIL 1113 Introduction to Philosophy

Global Studies .............................. 3
Select from the following:
BIO 1 3103 Plants and Civilization
ECON 3003 International Economic Issues and Policies
GEOG 2243 Human Geography
GERM 1113 Beginning German I
HIST 2013 World Civilization I
HIST 2023 World Civilization II
HUM 3633 Comparative Religion
LANG 1113 Foundations of World Languages
NAMS 1143 Native Americans of North America
NAMS 2503 Cherokee I
PHIL 1313 Values and Ethics
POLI 3053 International Relations
SOC 3213 Minority Groups
SPAN 1113 Beginning Spanish I

Elective ..................................... 3
Select from the following:
## Program Requirements

### Program Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ACCT 2103</td>
<td>Accounting I-Financial</td>
</tr>
<tr>
<td>BADM 3113</td>
<td>Business Communications</td>
</tr>
<tr>
<td>BADM 3323</td>
<td>Legal Environment of Business</td>
</tr>
<tr>
<td>IT 4353</td>
<td>Information Assurance and Security Management</td>
</tr>
<tr>
<td>MGMT 3013</td>
<td>Principles of Management</td>
</tr>
<tr>
<td>MKTG 3113</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>TECH 3013</td>
<td>Leadership and Decision-Making Skills</td>
</tr>
<tr>
<td>TECH(SCMT)3213</td>
<td>Enterprise Resource Management Systems</td>
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<tr>
<td>TECH 4504</td>
<td>Practicum and Capstone Experience or a COOP/Internship</td>
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### Applied Technology (107)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CS 3213</td>
<td>Multimedia Development</td>
</tr>
<tr>
<td>MGMT 3423</td>
<td>Management Information Systems</td>
</tr>
<tr>
<td>TECH 3023</td>
<td>Emerging Technologies</td>
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<tr>
<td>TECH 3203</td>
<td>Introduction to Risk Management</td>
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### Renewable Energy Management Option (107E)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>SCMT 3003</td>
<td>Supply Chain Management</td>
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<tr>
<td>TECH 3403</td>
<td>Renewable Energy Technology</td>
</tr>
<tr>
<td>TECH 3413</td>
<td>Accounting for the Renewable Energy Industry</td>
</tr>
<tr>
<td>TECH 3423</td>
<td>Fundamentals of Energy Management</td>
</tr>
</tbody>
</table>

### Technical Specialty

A cohesive program of study in a technical field that fulfills the requirements of an Associate in Applied Science (A.A.S.), Associate in Science (A.S.), or the equivalent. For students in the Renewable Energy Management option, at least 15 credit hours must be related to renewable energy technology.

### Selected Electives

Electives will be chosen to complete the 120 credit hours required for graduation.*

### Total Credit Hours

120

*Three upper-division liberal arts and sciences credits are required for graduation. This requirement may be met when completing general education courses or by selecting a three-credit upper-division liberal arts course as a program elective.
A minor requires completion of at least 18-24 designated credit hours of coursework outside the student's major field, including a minimum of 9 upper-division credit hours, and may have a required core. The same courses may not be used to fulfill the requirements for both a major and a minor. To complete a minor, a student is required to earn six 3000-4000 level credit hours in that minor at RSU.

MINOR IN COMPUTER SCIENCE (097)

| CS   | 1213 | Introduction to Computing |
| CS   | 2223 | Programming I              |
| CS   | 2323 | Programming II             |
| CS   | 3223 | Data Modeling              |
| CS   | 3333 | Object-Oriented Technology |
| CS   | 3623 | Human-Computer Interface   |
| IT   | 1411 | Orientation to Computer Technology |

Total Credit Hours .......................... 19
ASSOCIATE IN SCIENCE
COMPUTER SCIENCE (097)

♦ This degree is offered online at www.rsuonline.edu

The Associate in Science degree in Computer Science program has two principal goals. One goal of the program is to provide students with the necessary skills required to become competent in computer programming at the entry level, as well as to understand the significant issues of how technology is changing the workplace. The second goal is to provide students with the academic background to enable them to be successful while seeking a baccalaureate degree in Computer Science, Computer Information Systems, or Information Technology. Transferability of this degree should be confirmed with the receiving institution. The specialty courses in this degree will partially satisfy the specialty area of the Bachelor of Technology in Applied Technology program offered at Rogers State University.

REQUIRED HOURS ............................................. 65-66

Communications ........................................... 9
ENGL 1113 Composition I
ENGL 1213 Composition II
SPCH 1113 Speech Communication

Social and Behavioral Sciences ......................... 9
History
Select from the following:
HIST 2483 American History to 1877
HIST 2493 American History since 1877

POLS 1113 American Federal Government ........... 3

Social Science ............................................. 3
Select from the following:
ECON 2113 Principles of Macroeconomics
ECON 2123 Principles of Microeconomics
PSY 1113 Introduction to Psychology
SOC 1113 Introduction to Sociology

Science and Mathematics ............................ 11
Physical Science .......................................... 4
Select from the following:
CHEM 1315 General Chemistry I
GEOL 1014 Earth Science
GEOL 1114 Physical Geology
GEOL 1124 Physical Geography
GEOL 1224 Historical Geology
GEOL 2124 Astronomy
PHYS 1014 General Physical Science
PHYS 1114 General Physics I

Biological Science ....................................... 4
Select from the following:
BIOL 1114 General Biology
BIOL 1134 General Environmental Biology
BIOL 1144 General Cellular Biology

Mathematics ............................................... 3
Select from the following:
MATH 1503 Mathematics for Critical Thinking
MATH 1513 College Algebra
MATH 1613 Trigonometry
MATH 1715 Pre-Calculus
MATH 2264 Analytical Geometry and Calculus I

Humanities ............................................... 6
Select from the following:
ART (HUM) 1113 Art Appreciation
COMM (HUM) 2413 Theatre Appreciation
ENGL 2613 Introduction to Literature
HUM 2113 Humanities I
HUM 2223 Humanities II
HUM 2893 Cinema
MUSC (HUM) 2573 Music Appreciation
PHIL 1113 Introduction to Philosophy

Global Studies .......................................... 3
Select from the following:
BIOL 3103 Plants and Civilization
ECON 3003 International Economic Issues and Policies
GEOG 2243 Human Geography
GERM 1113 Beginning German I
HUM 2893 Cinema
PHIL 1113 Introduction to Philosophy

Elective ................................................... 3
Select three additional hours from the courses listed above and not previously selected.

Program Requirements ................................. 18
CS 1213 Introduction to Computing
CS 2223 Programming I
CS 2323 Programming II
IT 2143 Introduction to Networking
IT 2153 Network Operating Systems I
IT/CS 2000 or above equal to 3 credit hours

Support and Related ................................. 3-4
ACCT 2103 Accounting I - Financial
MGMT 3013 Principles of Management
MATH 2264 Analytical Geometry and Calculus I

Elective ................................................... 3

Total Credit Hours ...................................... 65-66
ASSOCIATE IN APPLIED SCIENCE
APPLIED TECHNOLOGY (111)♦

♦This degree is offered online at www.rsuonline.edu

Students seeking this degree may enter with a technical specialty gained from completion of vocational/technical programs, armed forces programs, or comparable programs that have been evaluated by the American Council on Education’s College Credit Recommendation Service. The goal of the Associate in Applied Science in Applied Technology degree program is to provide students with a quality education in a technology area by emphasizing a combination of general education courses and a selection of courses in a technical specialty. The program develops a knowledge base through core courses and selected electives while advancing a generalist view of technology. Transferability of this degree should be confirmed with the receiving institution. The specialty courses in this degree will satisfy the technical specialty requirement of the Bachelor of Technology in Applied Technology program offered at Rogers State University.

REQUIRED HOURS ........................................... 61

Communications .................................... 6
ENGL 1113 Composition I ..................... 3
ENGL 1213 Composition II
SPCH 1113 Speech Communication

U.S. History and Government .................... 6
History ................................................. 3
Select from the following:
HIST 2483 American History to 1877
HIST 2493 American History since 1877

POLS 1113 American Federal Government .... 3

The College Experience ......................... 1
ORIE 1151 The College Experience

Total Credit Hours .............................. 61

Selected Electives ............................... 6
Select from the following:
Computer Science
Economics
Mathematics
Science
Social and Behavioral Science

Core Requirements ................................. 12
ACCT 2103 Accounting I – Financial
CS 1113 Microcomputer Applications
ECON 2123 Principles of Microeconomics
MGMT 3013 Principles of Management

Technical Specialty ............................... 30
Up to 30 hours accepted in the technical specialty. If additional courses are needed for the 30 hours, students will choose from computer science, business, accounting, or economics areas. Students and advisors will be expected to develop broad-based degree plans in completing the remaining coursework (technical-specific or general education) in order to fully develop the multidisciplinary nature of the program.

Total Credit Hours .............................. 61
ASSOCIATE IN APPLIED SCIENCE
APPLIED TECHNOLOGY (111)
OPTION: BUSINESS, INFORMATION, AND ENGINEERING TECHNOLOGIES (111B)
OPTION: CONSTRUCTION MANAGEMENT (111C)
OPTION: MANUFACTURING MANAGEMENT (111M)
OPTION: PUBLIC AND HEALTH SERVICES (111P)
OPTION: TRANSPORTATION MANAGEMENT (111T)

Students seeking this degree may enter with a technical specialty gained from completion of vocational/technical programs, armed forces programs, or comparable programs that have been evaluated by the American Council on Education’s College Credit Recommendation Service. The goal of the Associate in Applied Science in Applied Technology degree program is to provide students with a quality education in a technology area by emphasizing a combination of general education courses and a selection of courses in a technical specialty. The program develops a knowledge base through core courses and selected electives while advancing a generalist view of technology. Transferability of this degree should be confirmed with the receiving institution. The specialty courses in this degree will satisfy the technical specialty requirement of the Bachelor of Technology in Applied Technology program offered at Rogers State University.

REQUIRED HOURS ...........................................................61

Communications .............................................................6
ENGL 1113 Composition I ..............................................3
Select from the following: ...............................................3
ENGL 1213 Composition II
SPCH 1113 Speech Communication

U.S. History and Government ...........................................6
History .............................................................3
Select from the following:
HIST 2483 American History to 1877
HIST 2493 American History since 1877
POLS 1113 American Federal Government ..............3

The College Experience ....................................................1
ORIE 1151 The College Experience

Selected Electives ...........................................................6
Select from the following:
Computer Science
Economics
Mathematics
Science
Social and Behavioral Science

Core Requirements .......................................................12
ACCT 2103 Accounting I – Financial
CS 1113 Microcomputer Applications
ECON 2123 Principles of Microeconomics
MGMT 3013 Principles of Management

Technical Specialty ......................................................30
Up to 30 hours accepted in the technical specialty. If additional courses are needed for the 30 hours, students will choose from computer science, business, accounting, or economics areas. Students and advisors will be expected to develop broad-based degree plans in completing the remaining coursework (technical-specific or general education) in order to fully develop the multidisciplinary nature of the program.

Total Credit Hours ......................................................61