1992-93
CATALOG SUPPLEMENT

MIDDLESEX COUNTY COLLEGE
1992 - 1993 CALENDAR

Fall 1992

September
1 Faculty Orientation and Meetings — First Day of Faculty Obligation
2 & 3 Change of Program; New Student Orientation and Advisement by Faculty
7 Labor Day — Holiday Observed
8 Classes Begin — Fall Semester
21 Last Day to Change Status of Course to Audit

October
12 Columbus Day — Holiday Observed
27 Mid-Semester

November
10 Last Day to Withdraw Without an Evaluation
11 Veterans Day — Holiday Observed
26 & 27 Thanksgiving Day — Holidays Observed

December
9 Last Day to Withdraw From Classes
18 Last Day of Classes — Fall Semester
19, 21 & 22 Specially Scheduled Final Exams
24 Winter Recess Begins
29 Wintersession 1993 Begins

Spring 1993

January
18 Martin Luther King Day — Holiday
20 Faculty Orientation and Meetings — First Day of Faculty Obligation, Spring Semester
21 & 22 Change of Program; New Student Orientation Advisement by and Faculty Observed
25 Classes Begin — Spring Semester

February
6 Last Day to Change Status of Course to Audit
15 Presidents' Day — Holiday Observed

March
15 Mid-Semester
29 Last Day to Withdraw Without an Evaluation

April
2 Spring Recess Begins
12 Classes Resume
30 Last Day to Withdraw From Classes

May
11 Last Day of Classes — Spring Semester
12 Reading Day
13, 14 & 15 Specially Scheduled Final Exams
20 Student Academic Status Review
26 Graduation
INTRODUCTION

Because the 1991-93 catalog is a two-year catalog, this supplement is being issued. The supplement should be used in conjunction with the Catalog. It contains updated information on the academic programs, calendar, tuition and fees, policies and other information. Additional information may be obtained from the appropriate office or the Registrar.

Notice
The information contained herein is for the 1991-93 academic years. However, program requirements, courses, policies, tuition, fees and procedures are subject to change as circumstances require.

Accreditation
Middlesex County College is accredited by the Middle States Association of Colleges and Secondary Schools.

The Dental Hygiene program is accredited by the Commission on Dental Accreditation of the American Dental Association.

The Medical Laboratory Technician program is accredited by the American Medical Association Committee on Allied Health Education and Accreditation and the National Association for Accreditation of Clinical Laboratory Sciences.

The Radiography Education program is accredited by the New Jersey Department of Environmental Protection and the American Medical Association Committee on Allied Health Education and Accreditation.

The associate degree programs in Civil/Construction Engineering Technology, Electrical Engineering Technology and Mechanical Engineering Technology are accredited by the Technology Accreditation Commission of (ABET), the Accreditation Board for Engineering and Technology.

The Dietetic Technology Program is approved by the American Dietetic Association and the Dietary Managers Association.
PROGRAM OFFERINGS

Division of Business Technologies

DEGREE PROGRAMS:
- Accounting
- Business Administration Transfer
- Dietetic Technology
- Fashion Merchandising and Retail Management
- Hotel, Restaurant and Institution Management
  Options in:
  - Hotel/Motel Management
  - Restaurant/Food Service Management
- Legal Assistant Management
  Options in:
  - Credit and Financial Management**
  - Management**
- Marketing
  Options in:
  - Marketing
  - Materials Management
  - Transportation and Distribution
- Marketing Art and Design
  Options in:
  - Advertising Graphics Design
  - Professional Commercial Photography
- Office Systems Technology
  Option in:
  - Word Processing

CERTIFICATE PROGRAMS:
- Food Preparation
- International Business
- Legal Assistant+
- Management Support Services
- Materials Management
- Office Systems Technology
- Transportation and Distribution

Division of Business Technologies and Science

DEGREE PROGRAMS:
- Automotive Technology*
- Biological Laboratory Technology
- Chemical Technology
- Civil/Construction Engineering Technology
  Option in:
  - Surveying Technology
- Computer Integrated Manufacturing Technology
- Computer Science
  (Information Systems)
- Electrical Engineering Technology
  Option in:
  - Computer Electronics
- Environmental Technology**
- Fire Science Technology**
- Heating, Ventilating and Air Conditioning Design Technology
  (An Energy Technology Program)
- Industrial Technology
- Mechanical Engineering Technology
  (Design)
- Engineering Science
- Science Transfer
  Options in:
  - Biology
  - Chemistry
  - Computer Science
  - Mathematics
  - Physics

CERTIFICATE PROGRAMS:
- Basic Fire Science+
- Civil/Construction Engineering Technology
- Chemical Technology+
- Computer Programming+
- Electrical Engineering Technology+
- Heating, Ventilating and Air Conditioning Design Technology
- Industrial Technology
- Mechanical Engineering Technology
- Mechanical Computer Aided Drafting
- Surveying Technology

Division of Health Technologies

DEGREE PROGRAMS:
- Dental Hygiene*
- Medical Laboratory Technology*
- Nursing—Joint Program with UMDNJ
- Psycho-Social Rehabilitation & Treatment—Joint Program with UMDNJ
- Radiography Education*

Division of Social Sciences and Humanities

DEGREE PROGRAMS:
- Liberal Arts
  Options in:
  - Business
  - English
  - History

Honors
- Journalism
- Liberal Arts—General
- Liberal Arts—Business
- Modern Languages
- Music
- Physical Education, Health and Recreation
- Political Science
- Psychology
- Social and Rehabilitation Services
- Social Sciences
- Sociology
- Theater
- Visual Arts

Education Technology
  Options in:
  - Assistant in Early Childhood Education
  - Assistant in Special Education
  - Teacher Assistant

Criminal Justice
  Options in:
  - Correction Administration**
  - Police Science

CERTIFICATE PROGRAMS:
- Correction Administration**
- Teacher Aide

Programs are generally offered during the day or in the evening; exceptions are noted as follows:
- Certain major courses offered only in the day.
- **Certain major courses offered only in the evening.
+Certificate Programs offered only in the evening.

GENERAL INFORMATION

Application Procedures for Full- or Part-time Study

All applicants for full- or part-time study must return the following items:

1. A check or money order for $25 payable to Middlesex County College. This is a non-refundable fee.
2. A completed Application for Admission Form.

Applicants who are declaring a major for a degree or certificate program must also submit the following documents:

3. High school transcripts. Applicants must request their high school guidance office to forward an official copy of their transcript to the Office of Admissions and Recruitment.
4. GED scores (where applicable). Applicants who hold a high school equivalency diploma must present scores from the GED test.
5. College transcripts (where applicable). Applicants must have each previous postsecondary school and/or college send an official transcript directly to the Office of Admissions and Recruitment.

Special Notice: Applicants for Dental Hygiene, Medical Laboratory Technology, Joint Nursing Program with UMDNJ and Radiography Education for Fall 1993 must submit an application by December 31, 1992. For more information, call the Office of Admissions and Recruitment at (908) 906-2510.

Expenses

Tuition and Fees
Subject to Change

Tuition
Tuition is charged by the credit
Middlesex County
Residents $52.25 per credit or credit equivalent
Out-of-County Residents $104.50 per credit or credit equivalent
Out-of-State Residents $104.50 per credit or credit equivalent

Maximum Annual Tuition*
Middlesex County
Residents $1,254
Out-of-County Residents $2,508
Out-of-State Residents $2,508 (Includes non-immigrant alien students.)

Maximum Semester Tuition*
Middlesex County
Residents $836
Out-of-County Residents $1,672
Out-of-State Residents $1,672 (Includes non-immigrant alien students.)

NOTE: Enrollment for fewer than 16 credits will result in correspondingly lower charges.

*Students who receive permission to register for more than 20 credits will be charged per credit tuition beyond this maximum.

Fees
General Service $5.25 per credit or credit equivalent
Student Service $2.50 per credit or credit equivalent

General Expenses

Parking Decal
Full-time Students (12 or more credits or credit equivalents)
Full academic year $30
Spring semester only $15
Part-time Students (11 or fewer credits or credit equivalents)
Full academic year $15
Spring and Summer or Summer only (Required of full-time students) $6 Additional decals $2 per decal
Motorcycle One half the rates quoted above
Parking Decal fees are refundable only upon return of the decal.

Insurance
Accident/Health and Sickness $55 per year

$47 for half a year

Malpractice Insurance* $17
*Mandatory for students enrolled in Dental Hygiene, Nursing, Medical Laboratory Technology or Radiography Education courses with clinic requirements.

Miscellaneous Fees
Application Fee $25
Curriculum Change Fee $10
Graduation Application Fee $40
*Students pay this fee only once for each degree or certificate awarded.

These miscellaneous fees listed above are non-refundable.

Late Registration
Period I $15 per semester
Begins 40 days after the last scheduled day of returning student registration.
Period II $25 per semester
Begins one week immediately prior to the first day of classes and continues through the registration period.

Special Fees

International Credential Evaluation
All College programs except Medical Laboratory Technology $130

Dental Hygiene Senior Students
Licensing Examination Fees
National Board Examination $75
North East Regional Board $350

Advanced Placement-Nursing
Phase I $65
Phases II and II $135

Dishonored Check Fee $20 per dishonored check

Books and Supplies
These charges are approximate or estimates and are subject to change.

Automotive Technology
Tools $1,600

Dental Hygiene
Instrument Kit
Freshmen $720
Seniors $300
Uniform $300

Engineering Program
Drawing Kits $50

Hotel, Restaurant, and Institution Management
Knives $20
Uniform $70

Marketing Art and Design
A camera with adjustable shutter speed and aperture settings and a non-automatic metering system is required. A second-hand camera in good working condition meeting these specifications may be used.

Art and photographic equipment and supplies $125

Medical Laboratory Technology
Uniform $45

Joint Nursing Program with UMDNJ
Uniform $100

ACADEMIC STANDARDS AND REGULATIONS

Placement
New Jersey College Basic Skills Placement Test (NJCBSPT)
The New Jersey Board of Higher Education requires all public colleges within the state to test incoming students in reading, writing and mathematics skills. The purpose of the test is to help place students in the courses appropriate to their background and needs.

Elementary Algebra Policy
Students who matriculated in a degree or certificate program as of Fall 1992 and who need remediation in elementary
algebra must successfully complete MAT 013 (Algebra I) with a grade of C or better.

**Academic Integrity Policy**

Academic integrity is essential to all educational endeavors and demands that each individual adheres to its basic ethical principles. All academic work must be wholly the product of the individual or individuals who submit it except as properly noted; joint efforts are legitimate only when assigned or approved by the instructor.

Examples of academic dishonesty include, but are not limited to:

- Plagiarism - presenting someone else's words, ideas or findings, in whole or in part, as one's own without properly acknowledging the source.
- Consulting or possession of unapproved materials during a test.
- Submitting for a grade work copied in any medium from another student.
- Using a stand-in to take an exam or acting as a stand-in to take an exam for another.
- Falsification of a lab report.
- Unapproved possession of test material.
- Unapproved collaboration.
- Sabotaging another's work.
- Altering a graded assignment to obtain a better grade without instructor permission.
- Forgery, alteration or misuse of any college document.
- Deliberately aiding another in committing an act of academic dishonesty.

Any violation of the principles of academic integrity is a serious offense. Penalties imposed by the instructor can range from an alternate assignment to failure in the course. In addition, the instructor can file code of student conduct charges which can result in suspension from the College.

**Special Programs and Services**

**Reserve Officers Training Corps (ROTC)**

Students cross-enrolling at Rutgers for courses in military science are charged per credit hour. The Air Force Reserve Officers Training Corps (AFROTC) requires a $100 deposit for uniforms and books.

**Division of Business Technologies**

All students matriculated in AS or AAS degree programs in the Division of Business Technologies must demonstrate proficiency in keyboarding/typewriting, by either completing OST 010 Keyboarding for Computers, an appropriate typewriting course or by appropriate waiver from the Office Systems Technology Chairperson.

**Food Preparation Certificate Program**

**REQUISITE COURSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRI 103</td>
<td>3</td>
</tr>
<tr>
<td>HRI 107</td>
<td>3</td>
</tr>
<tr>
<td>HRI 108</td>
<td>3</td>
</tr>
<tr>
<td>HRI 111</td>
<td>3</td>
</tr>
<tr>
<td>HRI 114</td>
<td>3</td>
</tr>
<tr>
<td>HRI 115</td>
<td>3</td>
</tr>
<tr>
<td>HRI 203</td>
<td>4</td>
</tr>
<tr>
<td>HRI 205</td>
<td>3</td>
</tr>
<tr>
<td>HRI 208</td>
<td>3</td>
</tr>
<tr>
<td>ENG 121</td>
<td>3</td>
</tr>
</tbody>
</table>

**Legal Assistant Associate in Applied Science Degree**

**SEMESTER I**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 107</td>
<td>3</td>
</tr>
<tr>
<td>ENG 121</td>
<td>3</td>
</tr>
<tr>
<td>LET 100</td>
<td>2</td>
</tr>
<tr>
<td>LET 101</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 17 or 18

**SEMESTER II**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 201</td>
<td>3</td>
</tr>
<tr>
<td>ENG 122</td>
<td>3</td>
</tr>
<tr>
<td>LET 104</td>
<td>3</td>
</tr>
<tr>
<td>LET 110</td>
<td>4</td>
</tr>
<tr>
<td>LET 111</td>
<td>3</td>
</tr>
<tr>
<td>PED 103</td>
<td>1 or 3</td>
</tr>
</tbody>
</table>

Subtotal: 17 or 19

**SEMESTER III**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>4</td>
</tr>
<tr>
<td>LET 108</td>
<td>3</td>
</tr>
<tr>
<td>LET 112</td>
<td>3</td>
</tr>
<tr>
<td>LET 113</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 16

**SEMESTER IV**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 102</td>
<td>4</td>
</tr>
<tr>
<td>LET 280</td>
<td>3</td>
</tr>
<tr>
<td>LET</td>
<td>3</td>
</tr>
<tr>
<td>LET</td>
<td>3</td>
</tr>
<tr>
<td>LET</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 16-17

**Total Credits: 66-70**

Students are required to attain a passing grade in OST 010, or must obtain an approved waiver demonstrating proficiency in keyboarding prior to enrolling.

**Legal Assistant Certificate Program**

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 121</td>
<td>3</td>
</tr>
<tr>
<td>ENG 122</td>
<td>3</td>
</tr>
<tr>
<td>LET 111</td>
<td>3</td>
</tr>
<tr>
<td>LET 112</td>
<td>3</td>
</tr>
<tr>
<td>LET 100</td>
<td>2</td>
</tr>
<tr>
<td>LET 101</td>
<td>3</td>
</tr>
<tr>
<td>LET 104</td>
<td>3</td>
</tr>
<tr>
<td>LET 108</td>
<td>3</td>
</tr>
<tr>
<td>LET 110</td>
<td>4</td>
</tr>
<tr>
<td>LET 280</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (6 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LET 105</td>
<td>3</td>
</tr>
<tr>
<td>LET 106</td>
<td>3</td>
</tr>
<tr>
<td>LET 109</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits: 36**

**Division of Engineering Technologies and Science**

**Automotive Technology**

**Student Service Educational Program (ASSET)**

**Associate in Applied Science Degree**

Sample 2 1/3 Year Plan of Study

**SEMESTER I**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 111</td>
<td>3</td>
</tr>
<tr>
<td>AUT 115</td>
<td>2</td>
</tr>
<tr>
<td>AUT 117</td>
<td>3</td>
</tr>
<tr>
<td>ENG 121</td>
<td>3</td>
</tr>
<tr>
<td>MAT 107</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits: 15-17**

**SEMESTER II**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 108</td>
<td>3</td>
</tr>
</tbody>
</table>

(15 weeks co-op)
Sample Two-Year Plan of Study

**Associate in Applied Science Degree in Electrical Engineering Technology**

<table>
<thead>
<tr>
<th>SEMESTER I</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 122</td>
<td>Analysis and Tune Up</td>
<td>3</td>
</tr>
<tr>
<td>AUT 124</td>
<td>Automotive HVAC Systems</td>
<td>3</td>
</tr>
<tr>
<td>AUT 126</td>
<td>Alignment, Suspension &amp; Steering Systems</td>
<td>2</td>
</tr>
<tr>
<td>CSC 117</td>
<td>Introduction to Technical Programming</td>
<td>2</td>
</tr>
<tr>
<td>ENG 122</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 108</td>
<td>Mathematics II</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal 16

<table>
<thead>
<tr>
<th>SEMESTER II</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 223</td>
<td>Electronic Design &amp; Manufacturing</td>
<td>2</td>
</tr>
<tr>
<td>ENG 121</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ELT 101</td>
<td>Circuits I</td>
<td>4</td>
</tr>
<tr>
<td>ELT 111</td>
<td>Circuits II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 101</td>
<td>Principles of Physics I</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal 15

<table>
<thead>
<tr>
<th>SEMESTER III</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 208</td>
<td>Automotive Technology Work Experience II</td>
<td>3</td>
</tr>
<tr>
<td>AUT 213</td>
<td>Automatic Transmission I</td>
<td>3</td>
</tr>
<tr>
<td>AUT 217</td>
<td>Engine Diagnostics &amp; Repair I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 102</td>
<td>Principles of Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal 16

<table>
<thead>
<tr>
<th>SEMESTER IV</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 208</td>
<td>Automotive Technology Work Experience II</td>
<td>3</td>
</tr>
<tr>
<td>AUT 211</td>
<td>Standard Transmission &amp; Drive Train</td>
<td>3</td>
</tr>
<tr>
<td>AUT 226</td>
<td>Automatic Transmission II</td>
<td>2</td>
</tr>
<tr>
<td>AUT 228</td>
<td>Engine Diagnostics &amp; Repair II</td>
<td>3</td>
</tr>
<tr>
<td>AUT 229</td>
<td>Automotive Electricity &amp; Electronics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 101</td>
<td>Principles of Physics I</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal 15

<table>
<thead>
<tr>
<th>SEMESTER V</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 208</td>
<td>Automotive Technology Work Experience II</td>
<td>3</td>
</tr>
<tr>
<td>AUT 211</td>
<td>Standard Transmission &amp; Drive Train</td>
<td>3</td>
</tr>
<tr>
<td>AUT 226</td>
<td>Automatic Transmission II</td>
<td>2</td>
</tr>
<tr>
<td>AUT 228</td>
<td>Engine Diagnostics &amp; Repair II</td>
<td>3</td>
</tr>
<tr>
<td>AUT 229</td>
<td>Automotive Electricity &amp; Electronics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 101</td>
<td>Principles of Physics I</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal 16

<table>
<thead>
<tr>
<th>SEMESTER VI</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 218</td>
<td>Automotive Technology Work Experience III</td>
<td>3</td>
</tr>
<tr>
<td>AUT 218</td>
<td>Automotive Technology Work Experience III</td>
<td>3</td>
</tr>
<tr>
<td>(15 weeks co-op)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subtotal 15

TOTAL CREDITS 70-72

---

**Electrical Engineering Technology Associate in Applied Science Degree**

Sample Two-Year Plan of Study

<table>
<thead>
<tr>
<th>SEMESTER I</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 117</td>
<td>Introduction to Technical Programming</td>
<td>2</td>
</tr>
<tr>
<td>ELT 101</td>
<td>Circuits I</td>
<td>4</td>
</tr>
<tr>
<td>ELT 111</td>
<td>Circuits II</td>
<td>4</td>
</tr>
<tr>
<td>ENG 121</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 109</td>
<td>College Algebra &amp; Trigonometry I</td>
<td>3</td>
</tr>
<tr>
<td>MEC 117</td>
<td>Electrical Drawing</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal 16

<table>
<thead>
<tr>
<th>SEMESTER II</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELT 102</td>
<td>Circuits II</td>
<td>4</td>
</tr>
<tr>
<td>ELT 103</td>
<td>Electronics I</td>
<td>4</td>
</tr>
<tr>
<td>ENG 122</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 110</td>
<td>College Algebra &amp; Trigonometry II</td>
<td>2</td>
</tr>
<tr>
<td>ELT 223</td>
<td>Electronic Design &amp; Manufacturing</td>
<td>2</td>
</tr>
<tr>
<td>ELT 226</td>
<td>Microprocessors</td>
<td>2</td>
</tr>
</tbody>
</table>

Subtotal 17

<table>
<thead>
<tr>
<th>SEMESTER III</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELT 203</td>
<td>Electronics II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 115</td>
<td>College Physics I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 112</td>
<td>Unified Calculus I</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal 17

---

**Division of Health Technologies**

**Joint Nursing Program, UMDNJ/MCC Associate in Science Degree**

Sample Two-Year Plan of Study

<table>
<thead>
<tr>
<th>SEMESTER I</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 111</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>ENG 121</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 108</td>
<td>Radiologic Physics I</td>
<td>3</td>
</tr>
<tr>
<td>RAD 204</td>
<td>Radiographic Positioning/Anatomy II</td>
<td>3</td>
</tr>
<tr>
<td>RAD 207</td>
<td>Exposure I/Radiation Protection</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal 18

<table>
<thead>
<tr>
<th>SEMESTER II</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 111</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>ENG 122</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>CSC 107</td>
<td>Computer Applications for Health Care Personnel</td>
<td>1</td>
</tr>
<tr>
<td>PHY 108</td>
<td>Radiologic Physics I</td>
<td>3</td>
</tr>
<tr>
<td>RAD 204</td>
<td>Radiographic Positioning/Anatomy II</td>
<td>3</td>
</tr>
<tr>
<td>RAD 208</td>
<td>Exposure II</td>
<td>2</td>
</tr>
<tr>
<td>RAD 210</td>
<td>Clinical Practicum I</td>
<td>2</td>
</tr>
</tbody>
</table>

Subtotal 18

<table>
<thead>
<tr>
<th>SEMESTER III</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 111</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>ENG 121</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 109</td>
<td>Radiologic Physics I</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal 12

<table>
<thead>
<tr>
<th>SEMESTER IV</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 123</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>RAD 201</td>
<td>Introduction to Pathology</td>
<td>2</td>
</tr>
<tr>
<td>RAD 230</td>
<td>Clinical Practicum III</td>
<td>2</td>
</tr>
<tr>
<td>PHY 109</td>
<td>Radiologic Physics I</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal 14-16

<table>
<thead>
<tr>
<th>SEMESTER V</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELT 111</td>
<td>Digital Electronics I</td>
<td>3</td>
</tr>
<tr>
<td>ELT 203</td>
<td>Electronics II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 115</td>
<td>College Physics I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 112</td>
<td>Unified Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal 17

<table>
<thead>
<tr>
<th>SEMESTER VI</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELT 111</td>
<td>Digital Electronics II</td>
<td>3</td>
</tr>
<tr>
<td>ELT 203</td>
<td>Electronics II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 115</td>
<td>College Physics I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 112</td>
<td>Unified Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal 17

<table>
<thead>
<tr>
<th>SEMESTER VII</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELT 111</td>
<td>Digital Electronics I</td>
<td>3</td>
</tr>
<tr>
<td>ELT 203</td>
<td>Electronics II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 115</td>
<td>College Physics I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 112</td>
<td>Unified Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal 17

TOTAL CREDITS 67-69

---

**Technical Elective Courses for Electrical Engineering Technology Curriculum:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 116</td>
<td>College Physics II</td>
</tr>
<tr>
<td>ELT 224</td>
<td>Communication Electronics</td>
</tr>
<tr>
<td>ELT 205</td>
<td>Electromagnetic Devices</td>
</tr>
<tr>
<td>ELT 233</td>
<td>Control of Industrial Motors*</td>
</tr>
<tr>
<td>ELT 234</td>
<td>Audio Technology</td>
</tr>
<tr>
<td>ELT 235</td>
<td>Robotics Technology</td>
</tr>
<tr>
<td>ELT 236</td>
<td>Automatic Controls</td>
</tr>
<tr>
<td>ELT 237</td>
<td>Digital Communications*</td>
</tr>
<tr>
<td>ELT 238</td>
<td>Advanced Digital Electronics</td>
</tr>
</tbody>
</table>

*Course to be taken as technical electives in fourth semester only.

Students are eligible for a Certificate in Electrical Engineering Technology after successful completion of the first two semesters.

---

**Radiography Education Associate in Applied Science Degree**

Sample Two-Year Plan of Study

<table>
<thead>
<tr>
<th>SEMESTER I</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 112</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>ENG 121</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 108</td>
<td>Radiologic Physics I</td>
<td>3</td>
</tr>
<tr>
<td>RAD 204</td>
<td>Radiographic Positioning/Anatomy II</td>
<td>3</td>
</tr>
<tr>
<td>RAD 208</td>
<td>Exposure II</td>
<td>2</td>
</tr>
<tr>
<td>RAD 210</td>
<td>Clinical Practicum I</td>
<td>2</td>
</tr>
</tbody>
</table>

Subtotal 18

<table>
<thead>
<tr>
<th>SEMESTER II</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 112</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>ENG 122</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 109</td>
<td>Radiologic Physics I</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal 12

<table>
<thead>
<tr>
<th>SEMESTER III</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 123</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>RAD 210</td>
<td>Introduction to Pathology</td>
<td>2</td>
</tr>
<tr>
<td>RAD 250</td>
<td>Clinical Practicum III</td>
<td>2</td>
</tr>
<tr>
<td>PHY 109</td>
<td>Radiologic Physics I</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal 14-16

<table>
<thead>
<tr>
<th>SEMESTER IV</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAD 257</td>
<td>Radiographic Seminar II</td>
<td>2</td>
</tr>
<tr>
<td>RAD 260</td>
<td>Clinical Practicum V</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal 5

TOTAL CREDITS 73-75
COURSE DESCRIPTIONS

Accounting

ACC 101
Financial Accounting
4 credits (4-0)
The accounting cycle from the recording and analyzing procedures through the summarizing procedures and preparation of general purpose financial statements; the introduction of accounting for partnerships and corporations with emphasis on the capital structure of the corporation; the statement of cash flows.

ACC 102
Managerial Accounting
4 credits (4-0)
Prerequisite: ACC 101
Covers the nature of Managerial Accounting, job order cost systems, process cost systems, cost allocation and activity-based costing; analyses for managerial decision making; budgeting, standard cost systems, accounting for decentralized operations; transfer pricing and financial statement analysis.

Art

ART 110
GE HUM
Figure Drawing
3 credits (3-0)
Practice combining nature and the imagination is directed toward exploring the human form and developing the basic techniques of figure drawing. Field trips.

Biology

BIO 111
GE SCI
Human Anatomy and Physiology I
4 credits (3-3)
Prerequisite: High school Biology and Chemistry with labs or BIO 010 or CHM 010
A study of human cells and tissues as they relate to organs and systems. Structural and functional features of the skeletal, muscular and nervous systems are examined. Recommended for students in the health sciences.

Business

BUS 107
Data Processing
3 credits (3-0)
Prerequisite: BUS 101 or waiver approved by the Dean. The course is designed to introduce the concepts and techniques of data processing. This course covers the use of computers in the processing of data. Topics include data collection, data organization, data processing, data analysis, and data presentation.

Computer Integrated Manufacturing Technology

CIM 206
Computer Integrated Manufacturing Project
2 credits (1-4)
Prerequisites: CIM 203, CSC 117, ELT 111, MAT 110, MEC 112 and 124
Students complete a comprehensive project in an area of computer integrated manufacturing, including a working model, completed part, or investigation into a CIM area. Students use equipment in the developmental laboratories or one of the specialty laboratories: Robotics, F.M.S. cell, CNC, CAD/CAM. A professionally prepared report and an oral presentation are required. Offered at N.J.I.T. under the supervision of N.J.I.T. faculty. The project must be approved by an MCC faculty member.

Computer Science

CSC 107
Computer Science II
1 credit (2-0)
A survey of computer applications and their use in the health technology fields. Discussion of the major components of a computer, an introduction to software application packages including word processing and database, and an exposure to a personal computer operating system. Hands-on experience will be emphasized utilizing WordPerfect, dBase, and DOS.

Dance

DAN 131
GE HUM
Elements of Dance
3 credits (3-0)
Provides fundamental movement skills, and body awareness in Modern Dance, basic training at the elementary level of Ballet technique, introduction to a cross section of Jazz technique, movement styles and rhythms, theory and practical application in the principles of dance forms. Emphasizes placement, strength, flexibility, coordination, musicality within the different dance idioms: the exploration of space, time and energy as the raw materials in dance; the specific vocabulary relating to the different dance techniques and the creative experiences of short movement patterns.

DAN 132
GE HUM
Dance Appreciation
3 credits (3-0)
Prerequisite: Departmental permission required
Students about dance as a performing art, through the critical evaluations of the various dance styles. Discusses the role and collaboration of performers/dancers, choreographers, artistic advisors, composers, technicians and the audience. Include lectures, lecture-demos, discussion, selected readings, films, video tapes, slides, live performances and experimental dance/movement sessions. Attendance recommended. Dance performances are required. Written reports are required.
DAN 201 GE HUM
Methods and Modern Technique in Dance
Prerequisite: Departmental Permission Required
Provides development in Modern Dance through theory and practical application. Emphasizes the practice of composition skills, clarity of movement, initiation, body of articulation, and dynamics of performance. Focuses on the development of small group work and solos, including form and structure. Attendance is required at two professional dance productions. Written reports must be submitted.

DAN 202 GE HUM
Improvisation and Composition
3 credits (3-0)
Departmental permission required
A comprehensive introduction to the creative and theoretical aspects of contemporary dance, with focus on improvisation toward composition. Dance studies will be designed through problem-solving experiences, exploration of resources, use of ideas, knowledge of forms, development of craft. Emphasizes the excitement of making choices and taking chances. Studies will be performed as works in progress at the end of semester (informal showing: individuals or group). Class sessions will include lectures, films, discussion, selected readings on theory, philosophy, current trends of dance and experimental dance/movements.

Electrical Engineering Technology and Computer Electronics
ELC 211
Computer Peripherals
3 credit (2-3)
Prerequisites: ELC 214
A study of various computer peripheral devices, to include: their architecture, operation, interfacing, installation, maintenance and repair. Peripheral devices studied include: fixed and removable disk drives, magnetic tape drives, video and hard-copy terminals as well as line printers. Laboratory experiments allow students to gain experience with peripheral equipment.

ELC 212
Data Communications and Interfacing
3 credits (2-3)
Prerequisites: ELC 214
A study of various types of data communication systems. System components network structures and interface techniques are examined. Transmission codes and multiplexing methods are emphasized. Extensive laboratory work included.

ELT 106
Technical Electricity
4 credits (3-3)
Corequisite: MAT 110
A study of the theory and practical applications of electricity. Topics include fundamental principles of electricity. AC and DC circuits, electrical instruments, electro-magnetic devices (transformers and rotating machinery) and electronic circuits and devices. Laboratory provides hands-on experience.

ELT 208
Electrical Engineering Technology
Co-Op Work Experience
3 credits (1-12)
Prerequisites: ELT 111
Corequisite: ELT 108
A cooperative work experience program whereby students are employed in a technical position in order to gain some of the practical experience necessary for success in technology. Supervision of this departmentally approved position is provided by the College through on-the-job visits and individual progress review sessions. Students are required to establish learning objectives related to their position in order to effect the attainment of specific job competencies. Students attend a weekly, one-hour seminar on campus and work for a minimum 13 hours a week. Students are required to work a total of 180 hours during the semester. Students must be recommended by the Department faculty. Students must register with the department of cooperative education.

ELT 215
Applied Electricity
3 credits (2-3)
Corequisite: MAT 108
An introduction to the theory and practical applications of electricity. Topics such as: DC and AC circuit theory, electrical instrumentation, electromagnetic devices and circuits and electronic devices and circuits are covered. Laboratory experimentation included.

ELT 237
Digital Communications
3 credits (2-3)
Prerequisite: ELT 103
A study of digital communications including the following topics: Time Division, Multiplexing, Pulse Code, Modulation techniques, amplitude shift keying, error rate measurement, parallel/serial, and serial/parallel conversion, electrical interface techniques, parity and block code circuitry, measurements of delay distortion and other impairments.

English ENG 122
English Composition II
3 credits (3-0)
Prerequisite: English 121 with a grade of “C” or better
Through writing, reading of essays, short stories and poems, and speaking, students continue to learn and to practice the skills of clear, correct, effective English. Through a variety of projects requiring techniques such as cause and effect, analysis, evaluation, classification, argumentation, and persuasion, as well as a through formal research (library) paper, students write between 7,000 and 10,000 words, including drafts and revisions.

English as a Second Language
ESL 010
Basic English as a Second Language
6 credit equivalents (4-2)
Basic English language skills including attention to listening skills, basic conversation, basic structure and some elementary writing skills. Two hours of individualized work will be required in the ESL Learning Center in addition to class hours. “C” is the minimum acceptable grade for movement from one remedial/developmental level to another and for completion of remediation/developmental requirements to include all credit equivalent courses.

ESL 019
Intermediate Discussion/Phonology
3 credit equivalents (3-0)
Oral communication at the intermediate level. Attention will be paid to pronunciation problems as well as to conversation techniques and strategies in different situations. “C” is the minimum acceptable grade for movement from one remedial/developmental level to another and for completion of remediation/developmental requirements to include all credit equivalent courses.

ESL 031
ESL Structure/Writing I
4 Credit equivalents (4-0)
Prerequisite: ESL 010 or permission of ESL chairperson
Corequisite: ESL 041
Designed to develop skills in structure and writing at a low intermediate level. Students review basic structure and practice writing by combining sentences to form a good paragraph. Individualized work required in the ESL Learning Center in addition to class hours. “C” is the minimum acceptable grade for movement from one remedial/developmental level to another and for completion of remediation/developmental requirements to include all credit equivalent courses.
ESL 032
ESL Structure/Writing II
4 credit equivalents (4-0)
Prerequisite: ESL 031 or permission of ESL chairperson
Corequisite: ESL 042
A continuation of ESL 031 introducing more advanced structural items. Writing emphasis placed upon expanding paragraph development. Individualized work required in the ESL Learning Center in addition to class hours. “C” is the minimum acceptable grade for movement from one remedial/developmental level to another and for completion of remediation/developmental requirements to include all credit equivalent courses.

History
HIS 202  GE  HUM
Ancient Egypt’s History: An Introduction
3 credits (3-0)
This survey traces the genesis, rise, and development of the high culture and dynastic civilization of pharaonic Egypt from the Predynastic Period through New Kingdom (approx. 3500 to 1000 B.C.). An interdisciplinary approach will be used that takes into account the effects that geography and topography had on Egypt’s cultural development. Topics discussed will include language, religion, mummification, funerary architecture and art. Course will be illustrated with slides as well as with artifacts and artifact-facsimiles.

Hotel, Restaurant, and Institution Management
HRI 111
Food Preparation Practicum
3 credits (1-13)
Prerequisite: HRI 103
A practicum designed to develop and refine professional food preparation and production skills through an approved on-site industry experience. Learning activities are planned, supervised and evaluated by qualified chefs and/or food production managers in coordination with the program director.

Legal Technology
LET 100
Introduction To Legal Assisting
2 credits (2-0)
An introduction to the functions and duties of the legal assistant. Students explore the regulation of legal assistants, ethics, privilege and ABA considerations. Students are introduced to the court system and law office routines.

LET 101
Legal Research and Writing
4 credits (4-0)
Prerequisites or Corequisites: ENG 121 and LET 100
An introduction to the functions and duties of the legal assistant. Students explore the American legal system and are introduced to the New Jersey court system. Students use the law library including encyclopedias, reporter systems, digests, and practice manuals including updating sources. Students are introduced to the use of computer assisted research by use of WESTLAW including reporter systems, statutes, administrative codes, updating sources and extended databases.

LET 106
Wills and Estate Administration
3 credits (3-0)
Prerequisite: LET 100 and LET 101
Substance and procedure with respect to wills, estates, trusts, probate, life insurance, and federal and state taxes.

LET 107
Law Office Management
3 credits (3-0)
Prerequisites: LET 100 and 101
Students learn the basics of law office management including, but not limited to, accounting procedures, scheduling, filing, and office systems.

LET 110
Litigation Procedure
4 credits (4-0)
Prerequisites: LET 100 and 101
Covers the rules governing courts and basic litigation procedures including telephone technique, client interviews, complaints, interrogatories, etc.

LET 112
Business Organizations and Government Regulation
3 credits (3-0)
Prerequisite: LET 111
Detailed study of the substantive law of agency and employment, security devices, bankruptcy, partnerships and corporations. (In applicable areas the Uniform Commercial Code is covered as well as the common law principles.)

LET 280
Senior Seminar for Legal Assisting
3 credits
Prerequisites: LET 104,108,110 & 112
Students integrate their knowledge of theoretical concepts and practical application of legal research, litigation, property, torts, and business law through case analysis and the completion of assigned projects.
Must be taken the last semester prior to graduation.

Mathematics
MAT 012
Basic Mathematics/Algebra I
6 credits (6-0)
Prerequisite: A score between 15-19 on the NJCBSPT and some familiarity with Algebra (the 15-19 score could vary, contingent on changes in the NJCBSPT cut-off scores, as determined by the Director of Institutional Planning.)
The first third of the course will focus on the Basic Mathematics curriculum, including topics in Basic Mathematics Computation and inequalities.
Some work in whole numbers, all operations included in the curriculum.

The remaining two-thirds of the course will cover topics in elementary algebra: integral, rational and irrational numbers, techniques of graphing and solving of linear equations, polynomials and their operations, special products and factoring, fractional expressions and equations, quadratic equations and methods of solutions, radical expressions and inequalities.

Mechanical Engineering Technology
MEC 123
Technical Graphics/CAD I
3 credits (6-0)
A study of the graphic language of engineering and technology to include linework, lettering, graphs, geometric construction, orthographic projections, pictorial, sectional and auxiliary drawings and dimensioning techniques. An introduction to the Computer-Aided Graphics system is included. Laboratory projects provide hands-on experiences and develop graphic skills. Laboratory time is spent using (CAD) computer-aided drafting system with AUTOCAD.
Medical Laboratory Technology
MED 100  Phlebotomy
7 credits (4-4)
Educes medical laboratory personnel in the techniques of obtaining blood specimens from patients for the purpose of testing and analysis. The students are taught procedures relating to the preparation and maintenance of equipment used for obtaining specimens, establishing a professional relationship with the patient, the selection of the site, care of the specimen, and clinical duties associated with record keeping of the laboratory tests.

Office Systems Technology
OST 010  Keyboarding for Computers
1 credit equivalent (1-1)
Keyboarding computer skills are developed through hands-on applications. The course teaches the touch operation of the alphabetic, numeric, and command/function keys. Students learn to keyboard rapidly and accurately. Vocabulary and concepts used in keyboarding operations are also incorporated. Not open to Office Systems Technology students.

Physical Education
PED 145  ARC Lifeguard Training
1 credit (1-2)
Provide students with the minimum skills training to qualify as nonsurf lifeguards. Upon successful completion of the course requirements, students receive the American Red Cross Lifeguarding Certificate. N.M. Students may also take the course for college credit without becoming a certified lifeguard. Students must demonstrate strong swimming skills at the first class meeting. In addition, students must possess, by the first class meeting, valid standard First Aid and CPR certification. These certifications cannot expire until after the course concludes.

Physics
PHY 010  Basic Physics
4 credit equivalents (2-4)
Corequisite: MAT 013 or equivalent
A one-semester, non-credit introductory physics course designed to give students sufficient background to enter non-calculus physics courses.

PHY 103  Principles of Physics I
4 credits (3-2)
Prerequisite: MAT 107 or equivalent
Includes an introduction to Newtonian mechanics with application of the conservation laws to physical systems. Electromagnetism and geometrical optics are introduced at an elementary level. Topics in wave propagation, thermodynamics, atomic and nuclear physics.

PHY 108  Radiographic Physics I
3 credits (2-2)
Prerequisite: one year high school algebra I or MAT 013
Technical skills needed for physics course and for other courses in the Radiography Education Program are taught including calculating skills, using formulas, and graphing. Basic physics consists of mechanics, energy, electrostatics, simple D.C. circuits, and atomic theory. Appropriate laboratory experience provided and includes computer skills. The first semester of a two semester course.

PHY 121  General Physics I
4 credits (2-4)
Prerequisite: MAT 109
Emphasizes theoretical models and basic physical principles. The course is precalculus-based and uses some basic calculus in the development and applications of physical principles in a scientific environment. Students will use computers in the laboratory for developing programming skills for the analysis of experimental data. Topics include kinematics, dynamics, conservation of energy and momentum, waves, temperature and heat, and thermodynamics. The first semester of a two-semester college-parallel sequence for liberal arts science and preprofessional students.

Psychology
PSY 223  Child Psychology
3 credits
Prerequisite: PSY 123
Human behavior from prenatal development to maturity. The study of physical, intellectual, and emotional behavior. Behavior characteristics of different age levels, individual differences and methods of adjustment.

PSY 260  Psychology Field Experience
3 credits (1-12)
Prerequisite: PSY 123 with a grade of “C” or better and departmental approval
A cooperative work experience program whereby the student is employed in a departmentally approved position in order to gain the practical competency necessary for success in Applied Psychology. Supervision is provided by the College through on-the-job visits and individual progress review sessions. The student must be approved by the department and is required to establish learning objectives related to his or her position. The regular day student attends a weekly, one-hour seminar on campus and works approximately 13 hours a week, for a total of 180 field experience hours during the semester. DCE students’ hours are adjusted to fit the different semester lengths, yet reflect the same total hours.

Reading
RDG 009  Reading Skills for College I
4 credit equivalent (3-1)
Provides intensive instruction to help students develop basic reading comprehension, vocabulary, communication and study skills. In order to receive a passing grade of “C” or better and move on to RDG 011, students must make an appropriate score on the re-test version of NJCBSPY Reading Comprehension section. “C” is the minimum acceptable grade for movement from one remedial/developmental level to another and for completion of remediation/developmental requirements to include all credit equivalent courses.

Science
SCI 155  Introduction to Geology and Oceanography
4 credits (3-2)
Prerequisite: one year high school laboratory science and MAT 014 or equivalent
A one-semester course dealing predominately with Geology and with the physical aspects of the ocean. Topics include a discussion and identification of rocks and minerals, volcanism, the geologic time scale, earthquakes, and their origin. Introduces important topics in Physical Oceanography and the Geology of New Jersey and environs. Students conduct appropriate laboratory exercises.

SCI 156  Introduction to Astronomy
4 credits (3-2)
Prerequisite: one year high school laboratory science and MAT 014 or equivalent
An introduction to descriptive space science covering the historical development of astronomy and planetology. Basic physical laws are introduced to help explain the tools used in the investigation of the solar system and the galaxy. Topics include stellar and solar systems, evolution and cosmology. The possibility of extraterrestrial life and communication with it is included as a necessary part of the subject. Laboratory experience included.