Students earning the AS, AA, or AA&S (or university parallel) degree from a Virginia Community College automatically satisfy the lower division general education requirements. Courses marked with * require a grade of C or better to transfer, even with the AS degree. The remaining lower division courses are automatically satisfied by the AS (including foreign language), regardless of the grade earned. Additionally, courses in which a grade of "C-" or below were earned will not transfer. Therefore Community College degree holders may require additional credits to meet the 120 credit hour graduation minimum. *(AS=Associate degree)*

**Entrance Writing Sample Placement Test:** _______________

**Entrance Math Placement Test:** _______________

### LOWER DIVISION GENERAL EDUCATION REQUIREMENTS

#### A. Skills

<table>
<thead>
<tr>
<th>Grade</th>
<th>hours</th>
<th>VCCS transfer equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 110C English Composition I</td>
<td>3</td>
<td>AS/ENG 111</td>
</tr>
<tr>
<td>ENGL 111C, 131C</td>
<td>3</td>
<td>AS/ENG 210, 115, or 131</td>
</tr>
</tbody>
</table>

**Composition–6 hours**

**Oral Communication–3 hours**

<table>
<thead>
<tr>
<th>Grade</th>
<th>hours</th>
<th>satisfied in the major by</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS/ENG 499W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mathematics-3 hours**

<table>
<thead>
<tr>
<th>Grade</th>
<th>hours</th>
<th>Satisfied in the major</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 162M</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Foreign Language Skills–0-6 hours**

**BS students' competence must be at the 102.**

Consult transfer guide for all equivalencies.

**Computer Skills–3 hours**

<table>
<thead>
<tr>
<th>Grade</th>
<th>hours</th>
<th>satisfied in the major by</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 149D or higher</td>
<td></td>
<td>CS 150 or 155</td>
</tr>
</tbody>
</table>

#### B. Perspectives

<table>
<thead>
<tr>
<th>Grade</th>
<th>hours</th>
<th>VCCS transfer equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 121A, 122A, DANC 185A, MUSC 264A, THEA 241A, COMM/THEA 270A</td>
<td>3</td>
<td>AS/ART 101, 102, 111, 112, 113, 114, 115; MUS 121, 122; SPD130, 141, or 142</td>
</tr>
<tr>
<td>HIS 101H, 102H, 103H, 104H, 105H</td>
<td>3</td>
<td>AS/Choose two from 101H, 102H, 111, 112, 121, 122, 201, 202, 203, 204, 231, 232, 251, 252, 253, or 254</td>
</tr>
</tbody>
</table>

**History--6 hours (Choose any 2)**

**Literature--3 hours**

<table>
<thead>
<tr>
<th>Grade</th>
<th>hours</th>
<th>VCCS transfer equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 112L, 144L, FLET 100L</td>
<td>3</td>
<td>AS/ENG 112, 235, 237, 241, 242, 246, 267 or 268</td>
</tr>
</tbody>
</table>

**Philosophy--3 hours**

<table>
<thead>
<tr>
<th>Grade</th>
<th>hours</th>
<th>VCCS transfer equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 110P, 120P, 150P</td>
<td>3</td>
<td>AS/PHI 100, 101, 102, 211, 212, 220, REL 230, 231, or 232</td>
</tr>
</tbody>
</table>

**Natural Science and Technology–11 to 12 hours**

Eight credit hours of Natural Science with labs in sequence. Additionally, 3-4 credit hours of Natural Science or Technology are required. See transfer guide for specific transfer equivalencies.

**Social Science–6 hours**

<table>
<thead>
<tr>
<th>Grade</th>
<th>hours</th>
<th>VCCS transfer equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 112</td>
<td>3</td>
<td>AS</td>
</tr>
<tr>
<td>ENGL 113</td>
<td>3</td>
<td>AS</td>
</tr>
</tbody>
</table>

--Must be two separate disciplines.

---

**Physics Course Requirements grade/credit**

<table>
<thead>
<tr>
<th>Course</th>
<th>grade/credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 211Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 212 Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 312 Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 101 or 112</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 101 or 113</td>
<td></td>
</tr>
<tr>
<td>CHEM 116N College Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 231N University Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 232N University Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 319 Analytical Mechanics</td>
<td></td>
</tr>
<tr>
<td>PHYS 320 Electricity &amp; Magnetism</td>
<td></td>
</tr>
<tr>
<td>PHYS 352 Intro. Quantum Mechanics</td>
<td></td>
</tr>
<tr>
<td>PHYS 303 Laboratory</td>
<td></td>
</tr>
<tr>
<td>PHYS 413 Methods of Exp. Physics</td>
<td></td>
</tr>
<tr>
<td>PHYS 454 Thermal Physics</td>
<td></td>
</tr>
</tbody>
</table>

One course from:

<table>
<thead>
<tr>
<th>Course</th>
<th>grade/credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 420, 453 or 456</td>
<td></td>
</tr>
<tr>
<td>PHYS 499W Senior Thesis</td>
<td></td>
</tr>
</tbody>
</table>

Approved Physics Seminar

Two courses from:

<table>
<thead>
<tr>
<th>Course</th>
<th>grade/credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 311, 313, 322, 350, 411, 415, 416, 417</td>
<td></td>
</tr>
</tbody>
</table>

*Physics majors must earn a grade of “C” or better in PHYS 231 and PHYS 232.*

### UPPER DIVISION GENERAL EDUCATION

Satisfied by MBA CORE Curriculum:

MBA CORE courses taken Senior Year – all must be B or better for admittance to MBA program

<table>
<thead>
<tr>
<th>Course</th>
<th>grade/credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 601 Accounting for Managers</td>
<td></td>
</tr>
<tr>
<td>DSCI 600 Foundations of Statistics</td>
<td></td>
</tr>
<tr>
<td>ECON 604 Mang. Econ &amp; Trade</td>
<td></td>
</tr>
<tr>
<td>FIN 605 Financial Management</td>
<td></td>
</tr>
<tr>
<td>MKTG 602 Organizational Mang.</td>
<td></td>
</tr>
<tr>
<td>MKTG 603 Market Management</td>
<td></td>
</tr>
</tbody>
</table>

For Physics degree only: **120 HOURS AND A 2.0 GRADE POINT AVERAGE IN THE MAJOR, MINOR, AND OVERALL ARE NEEDED TO GRADUATE.**

### Additional Graduation Requirements:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Grade/credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passage of Exit Writing Exam</td>
<td></td>
</tr>
<tr>
<td>Application for Graduation</td>
<td></td>
</tr>
<tr>
<td>Passage of Physics Exit Exam</td>
<td></td>
</tr>
<tr>
<td>Senior Assessment</td>
<td></td>
</tr>
</tbody>
</table>

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**edited: 5/25/08**