

Fall 2008 Geomatics

North Carolina A&T Traditional Student

Freshman

| Semester 1 | | Cr | Semester 2 | | Cr |
|----------------|------------------------|----|----------------|--------------------------------------|----|
| CAAE 100 | Intro to Engineering | 2 | UNST 130 | Analytical Reasoning | 3 |
| UNST 110 | Critical Writing | 3 | UNST 140 | The African American Experience | 3 |
| UNST 120 | The Contemporary World | 3 | MATH 132 | Calculus II | 4 |
| MATH 131 | Calculus I | 4 | GEEN 120 | Colloquium II | 0 |
| GEOM 210 | Cartography | 3 | PHYS 241 | General Physics I | 3 |
| GEEN 110 | Colloquium I | 0 | PHYS 251 | General Physics I Lab | 1 |
| UNST 100 | University Experience | 1 | CIEN 280 | Civ. Eng Graphics & Comp. Aided Des. | 3 |
| Semester Total | | 16 | Semester Total | | 17 |

Sophomore

| Semester 3 | | Cr | Semester 4 | | Cr |
|-----------------------------|---------------------------|----|--|----------------------------------|----|
| UNST Cluster Theme Elective | | 3 | UNST Cluster Theme Elective / BIOE 216 GIS | | 3 |
| UNST Cluster Theme Elective | | 3 | UNST Cluster Theme Elective | | 3 |
| PHYS 242 | General Physics II | 3 | CAAE 102 | Computer Applications | 2 |
| PHYS 252 | General Physics II Lab | 1 | MATH 450 | Linear Algebra and Matrix Theory | 3 |
| CAAE 204 | Fundamentals of Surveying | 3 | GEOM 205 | Surveying II | 4 |
| Science Elective | | 3 | GEOM 202 | Geomatics Sophomore Colloquium | 0 |
| Semester Total | | 16 | Semester Total | | 15 |

Internship (GEOM 300, 2 Credits)

Junior

| Semester 5 | | Cr | Semester 6 | | Cr |
|--------------------|-------------------------------|----|--------------------|--------------------------------|----|
| GEOM 340 | Adjustment Computations I | 3 | GEOM 441 | Adjustment Computations II | 3 |
| CIEN 366 | Hydraulics and Hydrology | 3 | GEOM 360 | Geodesy | 3 |
| GEOM 307 | Automated Surveying & Mapping | 4 | Technical Elective | | 3 |
| GEOM 270 | Land Survey Systems | 3 | GEOM 350 | Subdivision Design | 3 |
| Technical Elective | | 3 | GEOM 320 | Introduction to Photogrammetry | 3 |
| Semester Total | | 16 | GEOM 302 | Geomatics Junior Colloquium | 0 |
| Semester Total | | 16 | Semester Total | | 15 |

Senior

| Semester 7 | | Cr | Semester 8 | | Cr |
|--------------------|-------------------------------|----|-------------------------|--------------------------------|----|
| GEOM 520 | Analytical Photogrammetry | 3 | GEOM 599 | Senior Project II (Capstone) | 4 |
| GEOM 470 | Boundary and Legal Principles | 3 | Business / Law Elective | | 3 |
| GEOM 460 | Satellite Positioning Systems | 3 | GEOM 471 | Professionalism and Ethics | 1 |
| GEOM 598 | Senior Project I | 1 | Technical Elective | | 3 |
| Technical Elective | | 3 | GEOM 400 | Fund. of Land Surveying Review | 1 |
| INEN 260 | Engineering Economics | 2 | Semester Total | | 12 |
| Semester Total | | 15 | Semester Total | | 12 |

Total Credit Hours 124