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| **Name:**  |       |
| **Date of Entrance:** |       |
| **Advisor:** |       |
|  | Sem | Grade | Hrs |
| **Area A Essential Skills –** 9 Hrs |
| ENGL 1101-Eng Comp 1 |   |  | 3\* |
| ENGL 1102-Eng Comp 2 |   |  | 3\* |
| MATH 1113-Pre-Calculus orMATH 2101-Calculus I |   |  | 3\* |
| **Area B Institutional Options –** 5 Hrs |
| AFRS 1501-African Amer History |   |  | 2 |
| HUMN 1201- Critical Thinking & Communication  |   |  | 3 |
| **Area C Humanities/Fine Arts –** 6 Hrs |
| Choose an item. |   |  | 3 |
| Choose an item. |   |  | 3 |
| **Area D Science, Mathematics and Technology –** 11 Hrs |
| Select one 3 hour course |  |  |  |
| Choose an item. |   |  | 3\* |
| Choose two of the following sequences. 4 hours classes – 8 hours |  |  |  |
| Choose an item. |   |  |  |
| Choose an item. |   |  |  |
| Choose an item. |   |  |  |
| Choose an item. |   |  |  |
| **Area E Social Sciences –** 12 Hrs |
| Choose an item. |   |  | 3 |
| POLS 1101-American Government |   |  | 3 |
| POLS 2401-Global Issues |   |  | 3 |
| Choose an item. |   |  | 3 |
| **ADDITIONAL REQUIREMENTS –** 5 Hrs |
| First Year Experience - 2 hrs |  |  |  |
| Choose an item. |   |  |  |
| Choose an item. |   |  |  |
| Health Education 3 hrs |  |  |  |
| Choose an item. |   |  | 2 |
| Choose an item. |   |  | 1 |

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| **SID:** |       |
| **Catalog Date:** |       |
| **Graduation:** |       |
|  | Sem | Grade | Hrs |
| **Area F Engineering Core –** 17 Hrs |
| MATH 2111 – Calculus II |   |  | 4\* |
| CHEM 1211 - Principles of Chemistry I |   |  | 3\* |
| CHEM 1211L – Principles of Chemistry I Lab |   |  | 1\* |
| CHEM 1212 – Principles of Chemistry II |   |  | 3\* |
| CHEM 1212 – Principles of Chemistry II Lab |   |  | 1\* |
|  |
| **Choose 5 hrs from the following courses:** |
| MATH 2121 – Calculus III  |   |  | 4\* |
| MATH 3301 – Differential Equations |   |  | 4\* |
| PHYS 3111 – Heat & Thermodynamics |   |  | 3\* |
| PHYS 3121 – Optics |   |  | 3\* |
| PHYS 3131 – Magnetism & Electricity |   |  | 3\* |
| PHYS 3211 – Mathematical Physics |   |  | 3\* |
| CSCI 1371 – Computing for Engineers & Scientists |   |  | 3\* |
| CSCI 1301 – Computer Science I |   |  | 3\* |
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| **College Preparatory Courses (if required)** |  |  |  |
|       |       |       |       |
|       |       |       |       |
| **Regents Exam** | Reading - | Writing- |
|  |       |       |
| **TOTAL HOURS FOR DEGREE: 65 Credit Hours** |

\* A minimum grade of “C” is required for this course |