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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 or  MATH 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 | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | **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\* | |  | |  |  |  | |  | |  |  |  | | **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 |