**Engineering – Electrical Concentration**2019-2021 Undergraduate Catalog

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Semester 1 - Fall** | | | | |
|  | Credits | Major | Other | GEP |
| ENES 100 – Intro to Engineering Design | 3 | TF |  |  |
| ENGL 101 – First-Year Composition | 3 |  |  | CS1 |
| MATH 236 – Calculus I | 4 | X |  | CS3 |
| PHYS 261 – Physics I | 4 | X |  | C |
| ORIE 101 – Intro to Higher Education | 1 |  | X |  |
|  |  |  |  |  |
| **Semester Total** | 15 |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Semester 3 - Fall** | | | | |
| \*Fall Only | Credits | Major | Other | GEP |
| CHEM 201 – General Chemistry I | 4 | X |  | C |
| ENEE 244\* - Digital Logic | 3 | X |  |  |
| MATH 238 – Calculus III | 4 | X |  |  |
| PHYS 263 – Physics III | 4 | X |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **Semester Total** | 15 |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Semester 5 - Fall** | | | | |
| \*Fall Only | Credits | Major | Other | GEP |
| ENEE 303\* -Analog & Digital Electronics | 3 | X |  |  |
| ENEE 307\* - Electronics Circuits Design | 2 | X |  |  |
| ENEE 322\* - Signal & System Theory | 3 | X |  |  |
| ENEE 380\* - Electromagnetic Theory | 3 | X |  |  |
| ENES 310\* - Mechatronic & Robotic | 3 | X |  |  |
| ENME 272 – Intro to C.A.D. | 2 | X |  |  |
| **Semester Total** | 16 |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Semester 7 - Fall** | | | | |
| \*Fall Only | Credits | Major | Other | GEP |
| ENEE 350\* - Computer Organization | 3 | X |  |  |
| ENEE 481\* - Project Development | 3 | X |  |  |
| ENGL 3xx – Advanced Writing | 3 |  |  | CS2 |
| GEP Humanities | 3 |  |  | B |
| Engineering Elective (2 of 2) | 3 | X |  |  |
|  |  |  |  |  |
| **Semester Total** | 15 |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Semester 2 - Spring** | | | | |
| \*\*Spring Only | Credits | Major | Other | GEP |
| ENME 271\*\* - Numerical Methods | 3 | X |  |  |
| IDIS 150 – First-Year FSU Colloquia | 3 |  |  | E |
| MATH 237 – Calculus II | 4 | X |  |  |
| PHYS 262 – Physics II | 4 | X |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **Semester Total** | 14 |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Semester 4 - Spring** | | | | |
| \*\*Spring Only | Credits | Major | Other | GEP |
| ENEE 204\*\* - Basic Circuit Theory | 3 | X |  |  |
| ENEE 206\*\* - Circuit Lab | 2 | X |  |  |
| MATH 432 – Differential Equations | 3 | X |  |  |
| GEP Social Science | 3 |  |  | D |
| GEP Identity & Difference | 3 |  |  | F |
|  |  |  |  |  |
| **Semester Total** | 14 |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Semester 6 - Spring** | | | | |
| \*\*Spring Only | Credits | Major | Other | GEP |
| ENEE 445\*\* - Communication Systems | 4 | X |  |  |
| ENES 401\*\* - Energy Engineering | 3 | X |  |  |
| GEP Fine & Performing Arts | 3 |  |  | A |
| GEP FSU Colloquia II | 3 |  |  | E |
| Engineering Elective (1 of 2) | 3 | X |  |  |
|  |  |  |  |  |
| **Semester Total** | 16 |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Semester 8 - Spring** | | | | |
| \*\*Spring Only | Credits | Major | Other | GEP |
| ENEE 408\*\* - Capstone | 3 | X |  |  |
| ENEE 439\*\* - Signal Processing | 3 | X |  |  |
| ENEE 475\*\* - Power Electronics | 3 | X |  |  |
| GEP Humanities | 3 |  |  | B |
| GEP Social Science | 3 |  |  | D |
|  |  |  |  |  |
| **Semester Total** | 15 |  | | |

**Updated by/date:** Dr. Eric Moore, Physics & Engineering, 5/15/2019 **Total Credits:** 120