

## Engineering – Electrical Concentration

2021-2022 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     |     |
|                                        |           |       |       |     |
| <b>Semester Total</b>                  | <b>15</b> |       |       |     |

| Semester 2 - Spring                 |           |       |       |     |
|-------------------------------------|-----------|-------|-------|-----|
| **Spring Only                       | Credits   | Major | Other | GEP |
| IDIS 150 – First-Year FSU Colloquia | 3         |       |       | E   |
| MATH 237 – Calculus II              | 4         | X     |       |     |
| PHYS 262 – Physics II               | 4         | X     |       |     |
| GEP Social Science                  | 3         |       |       | D   |
|                                     |           |       |       |     |
|                                     |           |       |       |     |
| <b>Semester Total</b>               | <b>14</b> |       |       |     |

| Semester 3 - Fall              |           |       |       |     |
|--------------------------------|-----------|-------|-------|-----|
| *Fall Only                     | Credits   | Major | Other | GEP |
| CHEM 201 – General Chemistry I | 4         | X     |       | C   |
| ENEE 244* - Digital Logic      | 3         | X     |       |     |
| ENME 272* -- Intro to C.A.D.   | 2         | X     |       |     |
| MATH 238 – Calculus III        | 4         | X     |       |     |
| PHYS 263 – Physics III         | 4         | X     |       |     |
|                                |           |       |       |     |
| <b>Semester Total</b>          | <b>17</b> |       |       |     |

| Semester 4 - Spring               |           |       |       |     |
|-----------------------------------|-----------|-------|-------|-----|
| **Spring Only                     | Credits   | Major | Other | GEP |
| ENEE 204** - Basic Circuit Theory | 3         | X     |       |     |
| ENEE 206** - Circuit Lab          | 3         | X     |       |     |
| ENME 271** -- Numerical Methods   | 3         | X     |       |     |
| MATH 432 – Differential Equations | 3         | X     |       |     |
| GEP Identity & Difference         | 3         |       |       | F   |
|                                   |           |       |       |     |
| <b>Semester Total</b>             | <b>15</b> |       |       |     |

| 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     |       |     |
|                                         |           |       |       |     |
| <b>Semester Total</b>                   | <b>14</b> |       |       |     |

| 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     |       |     |
|                                    |           |       |       |     |
| <b>Semester Total</b>              | <b>16</b> |       |       |     |

| 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     |       |     |
|                                   |           |       |       |     |
| <b>Semester Total</b>             | <b>15</b> |       |       |     |

| 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   |
|                                |           |       |       |     |
| <b>Semester Total</b>          | <b>15</b> |       |       |     |