

**Fall 2021 Suggested Schedule**  
**Total Credit Hours**

|                 |  |           |                 |  |               |
|-----------------|--|-----------|-----------------|--|---------------|
|                 |  | <b>14</b> |                 |  | <b>14</b>     |
| <b>VSUE102A</b> | <b>First Year Seminar in Tech and Innovation (S&amp;BS + FS)</b> | <b>3</b>  |                 | <b>General Education- FA</b>                                 | <b>3</b>      |
| <b>COMM11</b>   | <b>Rhlic Speaking</b>  | <b>3</b>  | <b>GEO300</b>   | <b>GEO300 Energy, Resources and Environment</b>              | <b>3</b>      |
| <b>MATH22</b>   | <b>Calculus I P: MATH23</b>                                      | <b>5</b>  | <b>MATH23</b>   | <b>Calculus II P: MATH22</b>                                 | <b>5</b>      |
| <b>ENGL101</b>  | <b>College English I</b>   | <b>3</b>  | <b>ENGL102</b>  | <b>College English II P: ENGL101</b>                         | <b>3</b>      |
|                 |  | <b>15</b> |                 |  | <b>14</b>     |
| <b>ENGE201</b>  | <b>Introductory Design Project P: VSUE102A, ENGR302 or ID80</b>  | <b>1</b>  | <b>CHEM21/L</b> | <b>General Chemistry I</b>                                   | <b>5</b>      |
| <b>ECON201</b>  | <b>Principles of Macro Econ (S&amp;BS) or ME255</b>              | <b>3</b>  | <b>BIO370</b>   | <b>Introduction to Environmental Science</b>                 | <b>3</b>      |
| <b>PHIS313</b>  | <b>Physics for Scientists I P/C MATH23 with 'C' or better</b>    | <b>4</b>  |                 | <b>Technical Elective- Recommended Survey II P: Survey I</b> | <b>3</b>      |
| <b>PHIS315</b>  | <b>University Physics Lab I P: MATH22 P/C PHIS313</b>            | <b>1</b>  |                 | <b>Technical Elective</b>                                    | <b>3</b>      |
|                 | <b>Technical Elective- Recommended Survey I</b>                  | <b>3</b>  |                 |  |               |
|                 | <b>Technical Elective</b>  | <b>3</b>  |                 |  |               |
|                 |  | <b>15</b> |                 |  | <b>18</b>     |
| <b>ME222/L</b>  | <b>Engineering Graphics (with lab) P: MATH23</b>                 | <b>3</b>  | <b>CS211/L</b>  | <b>Introduction to Programming P: MATH11</b>                 | <b>4</b>      |
| <b>ENGE301</b>  | <b>Intermediate Design Project P: ENGE201 or ENGR205</b>         | <b>2</b>  | <b>ENGE312</b>  | <b>Applied Statics (fall only) P/C MATH23</b>                | <b>3</b>      |
| <b>ENGE370</b>  | <b>Environmental Engineering Tech (fall only) P: CHEM21</b>      | <b>3</b>  | <b>ENGE354</b>  | <b>Statistical Process Control P/C MATH23</b>                | <b>3</b>      |
| <b>ME250</b>    | <b>Materials Engineering P: CHEM21 &amp; MATH22</b>              | <b>3</b>  | <b>ENGE30L</b>  | <b>Circuits Technology (spring) P: MATH22 with '!'</b>       | <b>HEM200</b> |
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|                |  | <b>15</b> |                |   | <b>15</b> |
| <b>ENGE30</b>  | <b>Environmental Engineering/Tech (fall only) P: CHEM21</b>                | <b>3</b>  | <b>ENGE33</b>  | <b>Introduction to Fluids (fall only) P: ENGE312 &amp; MAE243</b> | <b>3</b>  |
| <b>ENGE492</b> | <b>Energy Mgmt &amp; Sustainability (fall only) P: ENGE370 P/C ECON210</b> | <b>3</b>  | <b>ENGE370</b> | <b>Environmental Engineering/Tech (fall only) P: CHEM21</b>       | <b>3</b>  |
| <b>EE57L</b>   | <b>Renewable Energy Engineering</b>  |           |                |   |           |