

# Minor in Engineering Fundamentals

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The Engineering Fundamentals minor provides a broad introduction to core engineering principles that underpin multiple disciplines. Designed for students seeking a strong technical foundation, the minor emphasizes mechanics, materials, energy, and systems behavior through analytical and applied coursework.

*Some majors may not be eligible to pair with this minor. See the Minor Restrictions (<https://catalog.erau.edu/programs/undergraduate/minors/restrictions/>) list for details.*

## Prescott Minor Requirements

|                                          |                                          |           |
|------------------------------------------|------------------------------------------|-----------|
| ESCI 201                                 | Statics                                  | 3         |
| or ESCI 207                              | Fundamentals of Mechanics                |           |
| Specified Electives - 200 level or above |                                          | 6         |
| Specified Electives - 300 level or above |                                          | 6         |
| Choose Specified Electives:              |                                          |           |
| ESCI 202                                 | Solid Mechanics                          |           |
| ESCI 204                                 | Dynamics                                 |           |
| ESCI 206                                 | Fluid Mechanics                          |           |
| ESCI 208                                 | Thermodynamics                           |           |
| ESCI 312                                 | Energy Transfer Fundamentals             |           |
| or ESCI 403                              | Heat Transfer                            |           |
| ESCI 315                                 | Space Environment and Effects            |           |
| ESCI 320                                 | Engineering Materials Science            |           |
| ESCI 320L                                | Engineering Materials Science Laboratory |           |
| MECH 400                                 | Mechanical Vibrations                    |           |
| <b>Total Credits</b>                     |                                          | <b>15</b> |