

**TABLO 6**  
**ÖNKOŞUL LİSTESİ**

**DEPARTMENT OF ENERGY SYSTEMS ENGINEERING**  
**LIST OF PREREQUISITES**

| COURSE   |                                      | Prerequisite |                                 | Recommended |                              |
|----------|--------------------------------------|--------------|---------------------------------|-------------|------------------------------|
| MATH 263 | Diff Equations and Dyn Systems       | MATH 131     | Calculus I                      |             |                              |
| EEE 342  | Feedback Systems                     | MATH 263     | Diff Equations and Dyn Systems  |             |                              |
| ESE 303  | Heat and Mass Transfer               | ESE 207      | Thermodynamics                  | ESE 204     | Fluid Mechanics              |
| EEE 468  | Energy Systems Optimization          | MATH 230     | Computational Methods in Eng    |             |                              |
| ESE 463  | Intro Computational Fluid Dynamics   | ESE 204      | Fluid Mechanics                 |             |                              |
|          |                                      | ESE 303      | Heat and Mass Transfer          |             |                              |
| ESE 457  | Heat Exchangers                      | ESE 303      | Heat and Mass Transfer          |             |                              |
| ESE 465  | Energy Systems Modeling              | ESE 303      | Heat and Mass Transfer          | MATH 230    | Computational Methods in Eng |
|          |                                      | ESE 202      | Conventional Energy Systems     |             |                              |
| ESE 456  | Exergy Analysis of Energy Systems    | ESE 207      | Thermodynamics                  |             |                              |
| ESE 462  | Waste Heat Recovery and Cogeneration | ESE 202      | Conventional Energy Systems     |             |                              |
| EEE 222  | Circuit Theory II                    | EEE 221      | Circuit Theory I                |             |                              |
| EEE 338  | Power Systems                        | EEE 222      | Circuit Theory II               |             |                              |
| EEE 336  | Electromechanical Energy Conversion  | EEE 222      | Circuit Theory II               |             |                              |
| ESE 402  | Energy Systems Design Project        | ESE 401      | Energy Systems Analysis Project |             |                              |