| **PEO ->** | **PEO C** | **PEO B** | **PEO C** | **PEO A**  | **PEO C** |
| --- | --- | --- | --- | --- | --- |
| **SO ->** | **SO 1** | **SO 6** | **SO 2** | **SO 5** | **SO 1** | **SO 4** | **SO 3** | **SO 4** | **SO 7** | **SO 4** |
| Introductory (**I**) Developed (**D**) Mastery (**M**) **Courses** | Apply knowledge of math, science and engineering | An ability to design and conduct experiments, analyze data, draw conclusions | An ability to apply engineering design to produce solutions that meet specified needs  |  An ability to function on teams whose members provide leadership, create collaborative and inclusive environments, and meet objectives | An ability to identify, formulate, and solve engineering problems | An understanding of professional and ethical responsibility | An ability to communicate effectively with a range of audiences | An ability to understand the global, economic, environmental, and societal impact of engineering solutions | An ability to acquire and apply new knowledge as needed | An ability to make informed decisions |
| ARO 1011L | **I** | **I** |  | **I** |  |  | **I** |  |  |  |
| ARO 1021L | **I** | **I** |  | **I** |  |  | **I** |  |  |  |
| ARO 2011L  | **I** | **D** | **I** | **D** | **I** | **I** | **D** | **I** |  | **I** |
| ARO 2021L  | **I** |  |  |  |  |  | **I** |  |  |  |
| ARO 2041 | **D** |  |  |  | **D** |  |  |  |  |  |
| ARO 2150 | **D** |  |  |  | **D** |  |  |  |  |  |
| ARO 2311/L | **D** | **D** | **D** | **D** | **D** |  | **D** |  |  |  |
| ARO 3011 | **D** |  |  |  | **D** |  |  |  |  |  |
| ARO 3090 | **D** |  | **D** |  | **D** |  | **D** |  |  |  |
| ARO 3111 | **D** |  | **D** |  | **D** |  | **D** |  |  |  |
| ARO 3120 | **D** |  | **D** |  | **D** |  | **D** |  |  |  |
| ARO 3191 | **D** |  | **D** |  | **D** |  | **D** |  |  |  |
| ARO 3220/L | **D** | **D** | **D** | **D** | **D** |  | **D** |  |  |  |
| ARO 3261 | **D** | **D** | **D** |  | **D** |  | **D** |  |  |  |
| ARO 3271 | **D** |  | **D** |  | **D** |  | **D** |  |  |  |
| ARO 3281 | **D** |  | **D** |  | **D** |  | **D** |  |  |  |
| ARO 3570 | **D** | **D** |  |  |  **D** |  | **D** |  |  |  |
| ARO 4011  | **M** |  |  |  | **M** |  | **M** |  |  |  |
| ARO 4020 | **M** |  |  |  | **M** |  |  |  |  |  |
| ARO 4050 | **M** |  | **M** | **M** | **M** |  | **M** |  |  |  |
| ARO 4060 | **M** |  | **M** |  | **M** |  | **M** |  |  |  |
| ARO 4070 | **M** |  |  |  | **M** |  | **M** |  |  |  |
| ARO 4080 | **M** |  | **M** |  | **M** |  | **M** | **D** | **D** |  |
| ARO 4090 | **M** |  |  |  | **M** |  | **M** |  |  |  |
| ARO 4120 | **M** |  |  |  | **M** |  | **M** |  |  |  |
| ARO 4140 | **M** |  |  |  | **M** |  | **M** |  |  |  |
| ARO 4180 | **M** |  |  |  | **M** |  | **M** |  |  |  |
| ARO 4200 |  |  | **M** | **M** | **M** | **M** | **M** | **M** | **M** | **M** |
| ARO 4210 | **M** |  | **M** |  | **M** |  | **M** |  |  |  |
| ARO 4220 | **M** |  | **M** | **M** | **M** |  | **M** |  |  |  |
| ARO 4260 | **M** |  |  |  | **M** |  | **M** |  |  |  |
| ARO 4270 | **M** |  |  |  | **M** |  | **M** |  |  |  |
| ARO 4310 | **M** |  |  |  | **M** |  | **M** |  |  |  |
| ARO 4330 | **M** |  | **M** | **M** | **M** |  | **M** |  |  |  |
| ARO 4351L | **M** | **M** |  |  |  |  | **M** |  |  |  |
| ARO 4360 | **M** |  | **M** |  | **M** |  | **M** | **M** | **M** | **M** |
| ARO 4430 | **M** |  | **M** | **M** | **M** |  | **M** |  |  |  |
| ARO 4450 | **M** |  | **M** | **M** | **M** |  | **M** |  |  |  |
| ARO 4460 | **M** |  | **M** | **M** | **M** |  | **M** |  |  |  |
| ARO 4510 | **M** |  |  | **M** | **M** |  | **M** |  |  |  |
| ARO 4711L | **M** |  | **M** | **M** | **M** |  | **M** | **M** | **M** | **M** |
| ARO 4721L | **M** |  | **M** | **M** | **M** |  | **M** | **M** | **M** | **M** |
| ARO 4811L | **M** |  | **M** | **M** | **M** |  | **M** | **M** | **M** | **M** |
| ARO 4821L | **M** |  | **M** | **M** | **M** |  | **M** | **M** | **M** | **M** |
| ARO 4900L | **M** |  | **M** |  |  |  |  |  |  |  |
| ARO 4911L | **M** |  | **M** | **M** | **M** |  | **M** | **M** | **M** | **M** |
| ARO 4921L | **M** |  | **M** | **M** | **M** |  | **M** | **M** | **M** | **M** |