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| **Student Outcome** | **Courses used to assess the outcome** | | | Remarks |
| (a) Apply knowledge of **mathematics**, science, and engineering | COE 202 | COE 241 | COE 344 |  |
| (b) **Design** and conduct **experiments**, analyze and interpret data | COE 301 | COE 306 | COE 344 |  |
| (c) **Design** **a system**, component, or process to meet desired needs | COE 301 | COE 485 | COE 444 or  COE 405 |  |
| (d) Function on multi-disciplinary **team**s | COE 351 or COE 399 | COE 485 |  |  |
| (e) Identify, formulate, and **solve** **engineering problems** | COE 306 | COE 485 | COE 444 or  COE 405 |  |
| (f) Understanding of **professional and ethical** responsibility | COE 300 | COE 351 or COE 399 |  |  |
| (g) Effective **communication**s | COE 351 or COE 399 |  |  |  |
| (h) Understanding the **impact of engineering** solutions | COE 300 | COE 485 |  |  |
| (i) **Life-long learning** | COE 351 or COE 399 | COE 485 |  |  |
| (j) Knowledge of **contemporary issues** | COE 300 | COE 485 |  |  |
| (k) Use of techniques, skills, and modern **engineering tools** in design | COE 444 or  COE 405 | COE 351 or COE 399 | COE 485 |  |
| (l) Design a system through **integration of hardware and software** | COE 306 | COE 351 | COE 485 |  |