

When developing Program Education Objectives (PEO) keep these guidelines in mind:

1. All constituents should be involved in identifying PEO
2. Numbers of PEO should be manageable
3. PEO should be aligned with mission of university
4. PEO should be measurable
5. PEO should be assessed periodically using constituents
6. PEO should be evaluated periodically to continuously improve the program

Examples of PEO (include material taken from workshop presented by ASME):

Set No. 1:

- Prepare graduates to pursue advanced degree, if so desired
- Prepare graduates to be leaders
- Prepare graduates to be good citizens of the society
- Prepare graduates to be entrepreneurs
- Prepare graduates to be good technical designers
- Prepare graduates to be life long learners
- Prepare graduates to be team contributors

Set No. 2:

- Prepare graduates who will have successful careers, and become leaders, in industry and the public sector
- Prepare graduates who will appropriately apply acquired knowledge, work well in team, effectively communicate ideas and technical information, and continue to gain knowledge
- Prepare graduates who will successfully pursue advanced studies, if they so choose, and subsequently contribute to the development of advanced concepts and leading edge technologies

Set No. 3:

- Graduates will show proficiency in the analysis, modeling and design of thermal and mechanical systems.
- Graduates will successfully integrate their academic preparation with engineering practice.
- Graduates will effectively utilize management skills to design projects and/or programs, to lead their implementation and to present technical information, as appropriate to their field.
- Graduates will engage in continuing education for professional development and career planning, including success in graduate education and research for those who choose to do so.
- Graduates should be able to identify and respond to ethical situations.

Set No. 4:

- Prepare graduates who are entering immediately into professional practice upon graduation, capable of performing duties of an entry-level engineering position.
- Prepare graduates to pursue graduate studies, if so desired, and to successfully complete an advanced degree.
- Prepare graduates to recognize the need for and capable of pursuing life-long learning.

Set No. 5:

- Prepare graduates to meet or exceed the expectations of employers.
- Prepare graduates who will be prepared to pursue and obtain professional licenses and advanced degrees in engineering and other professional fields.
- Prepare graduates to engage in lifelong learning to maintain professional competency.

Set No. 6:

- Prepare graduates who will be successful in mechanical engineering-related careers and other diverse career paths.
- Prepare graduates who will continue professional development and will pursue continuing education opportunities relevant to their careers.
- Prepare graduates who will pursue advanced degrees, if so desired.

Set No. 7:

- Prepare graduates who will progress to professional registration.
- Prepare graduates who will continue professional development through participation and leadership in professional organizations.
- Prepare graduate who will pursue lifelong learning through continuing education or post-graduate education.
- Prepare graduates who be prepared for diverse career paths in industry and government.

Set No. 8:

- Prepare graduates who will be global collaborators and leading culturally diverse teams.
- Prepare graduates who will (be able to) successfully complete professional development courses.
- Prepare graduates who will contribute to the economic development of the state and world.
- Prepare graduates who will successfully practice mechanical engineering in a manner that benefits society and their own lives and careers.
- Prepare graduates with high technical skills in mechanical engineering in order to contribute to the development of the country and increase the quality of life of the people.

Set No. 9:

- Graduates will successfully operate in the contest of local societies.
- Graduates will conceive and design processes, products or services which are technologically and economically feasible.