

EXECUTIVE SUMMARY

Engineering Technology Department – Mechanical Engineering Technology
Self-Study Document, Spring 2015

Author's Contact Information:

Student Learning Outcomes and Assessment:

At the end of their study at WSU, students in this program will have attained:

1. the ability to apply the knowledge, techniques, skills and modern tools of the discipline, including technologies of materials, applied mechanics, computer-aided drafting/design, manufacturing processes, tooling, production operations, thermal fluid science and statistics.
2. the ability to apply current knowledge of mathematics, science, engineering and technology, including technologies of materials, applied mechanics, computer-aided drafting/design, manufacturing processes, tooling, production operations, thermal fluid science and statistics.
3. the ability to conduct, analyze and interpret experiments and apply experimental results to improve processes.
4. the ability to apply creativity to design of systems, components and processes.
5. the ability to function effectively as a member or leader of a team.
6. an ability to demonstrate creativity in designing solutions to problems through analysis and experimentation leading to modification of systems, components and

Academic Advising:

Each faculty is required to maintain a minimum of 5 office hours per week for student

Program Support:

The program receives adequate support from the Department, the College, and to a lesser extent, the University. One of the issues discussed in more detail in the self-study is the lack of full-time faculty for the program which has caused the regular faculty to teach a considerable amount of overload which severely limits the time they have available for scholarship and service. Support staff and the facilities for the program are also adequate.

Relations with External Community:

The program has strong relationship with the external community, particularly with those companies that hire their graduates. They also have an active Industrial Advisory Committee consisting of 11 members that provides guidance to the program regarding the curriculum as well as providing monetary support.

Student, Faculty, Contract/Adjunct Faculty and Staff Statistics:

For the 2013-14 academic year there were 245 declared majors in the MET program. As stated above, the program has two full-time faculty members and also uses two adjunct faculty on an as needed basis. The support staff consists of one and a half technicians and a secretary with a