Tribology Minor

Course Requirements

The minor is aimed to be multidisciplinary in nature and is offered to all majors at the University. Therefore there are only a few courses which require prerequisites, although it is suggested that students have some basic background in the sciences and physics, and approval is needed. Courses can also be taken in any sequence. Note however, that some courses require planning, such as BUSI 3510, which is requires an advanced application.

**Required Courses:**

- **MECH 5230: Friction, Wear and Lubrication**, Prerequisites: Department Approval
- **PFEN 5300: Rheology**, Prerequisites: Department Approval
- **CHEM 2030 Survey of Organic Chemistry**, Prerequisites: CHEM 1040 or CHEM 1120 or CHEM 1127

  or

- **CHEM 2080 Organic Chemistry II**, Prerequisites: CHEM 2070, CHEM 1040 or CHEM 1120 or CHEM 1127

**Representative Electives:**

- **BUSI 3510 Introduction to Business and Engineering**, The BET program agrees to admit qualified TLSP minors (cumulative GPA >= 3.0) in to the BUSI/ENGR 3510 course offered each fall, if an application is made in January with other BET applicants. This is competitive and no more than three Tribology minor students will be admitted.
- **MATL 5600 Corrosion**, Prerequisites: Department Approval
- **MECH 5240 Boundary and Full Film Lubrication**, Prerequisites: Department Approval
- **MECH 5270 Metalworking and Manufacturing Tribology**, Prerequisites: Department Approval
- **CHEN 5660 Macroscale Assembly and Applications of Nanomaterials**, Prerequisites: Department Approval
- **MECH 5970 Multiscale Contact Mechanics**, Prerequisites: Department Approval

For Department Approval, please contact Dr. Jackson (tribology(at)auburn.edu) as soon as your intent to take a course is known.