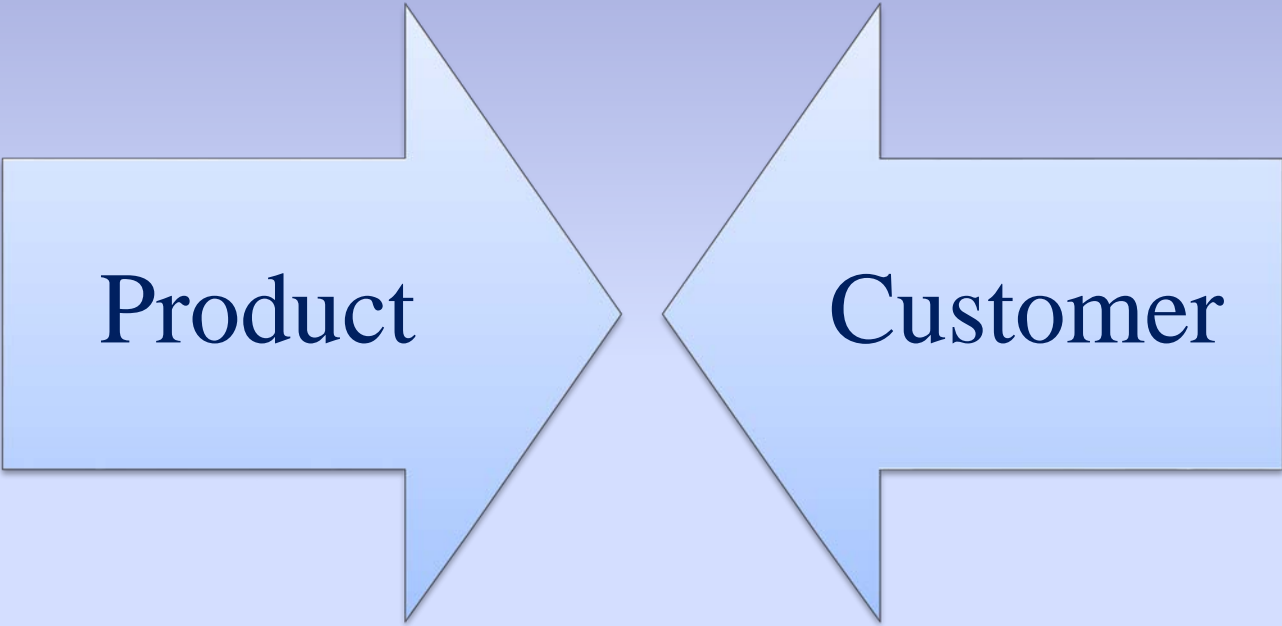


National Academy of Engineering

ENGINEERING SOCIETIES' ACTIVITIES IN
HELPING ALIGN INDUSTRY AND ACADEMIA
DECEMBER 6, 2018

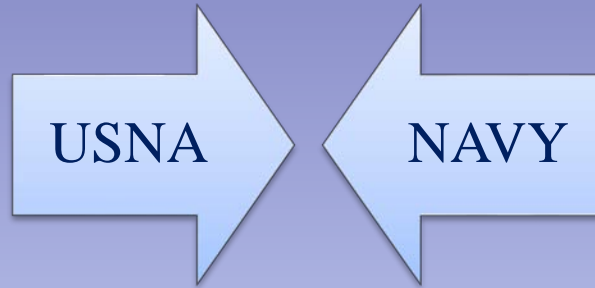
Oscar Barton, Jr., Ph.D., PE
Professor and Department Chair
Department of Mechanical Engineering
George Mason University



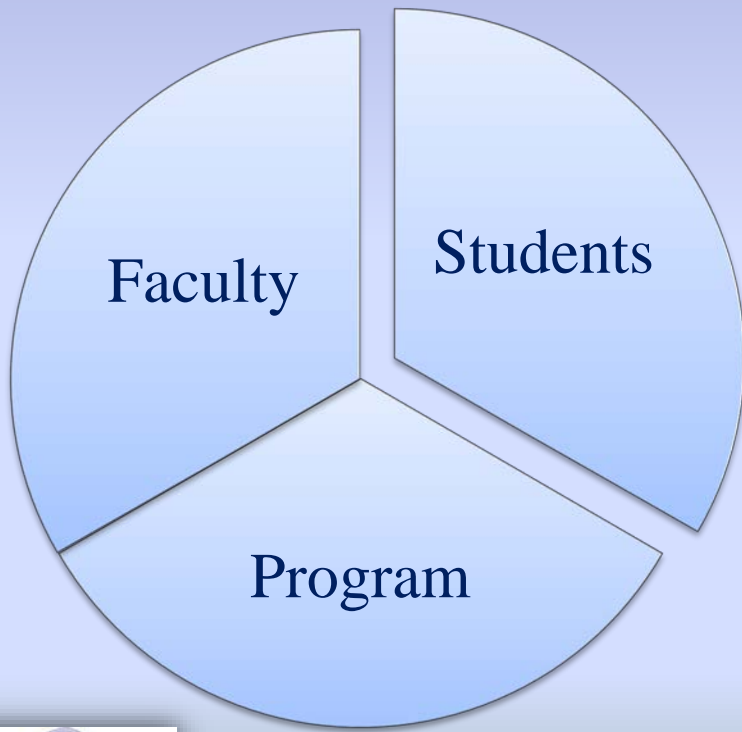


“....know and understand the customer”

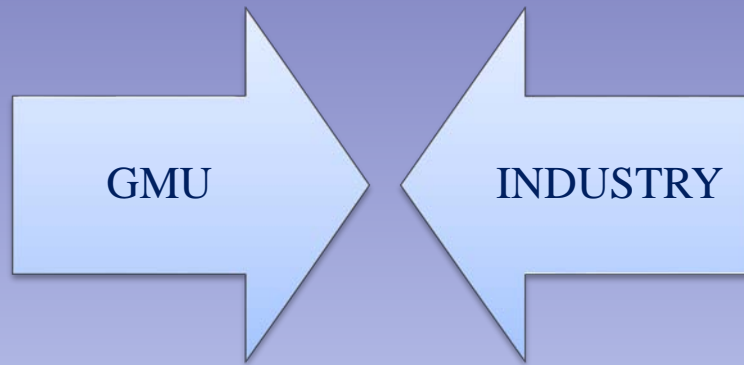




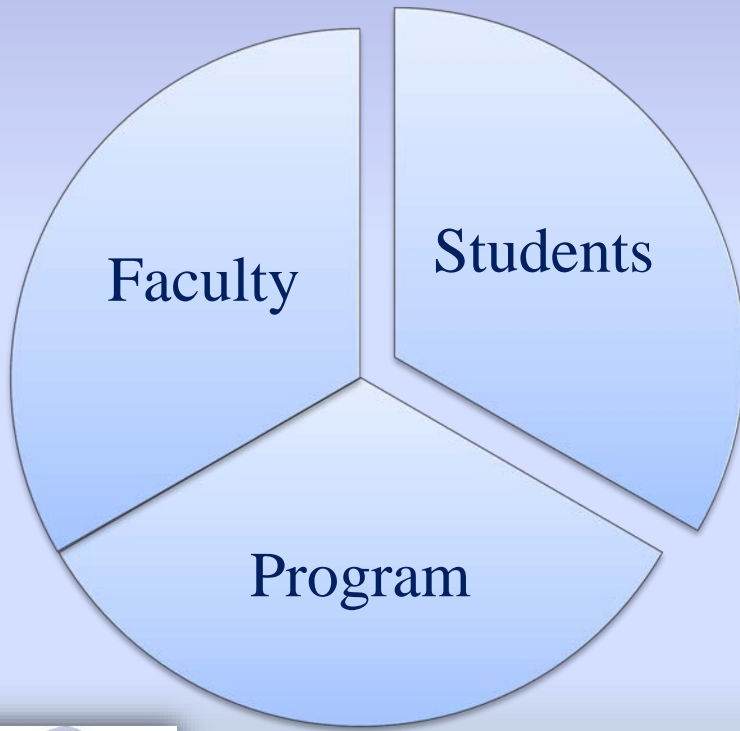
....educate engineering students to become next generation leaders



- Faculty
 - civilian and military
- Students
 - Career oriented
- Program
 - Major
 - Professional
- Resources



...prepare students to practice engineering



- Faculty
 - Less industry experience
- Students
 - Less certain of career aspirations
- Program
 - Building flexibility
- Resources

Input from Industry

- Educate the educators
 - Provide opportunities for faculty to enhance their skills and abilities
- Students
 - Experiences to enhance careers
- Program
 - Curriculum needs to meet necessary accreditation requirements
 - Offer flexibility
 - Experiences to enhance readiness
- Resources

