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## STUDENT PROGRAMS



COAE + PD + PSD = ASME IPTI

### EARLY CAREER

Once you've become an engineer and are working in the petroleum industry with 10 years or less experience, ASME-IPTI Petroleum Division's Early Career Committee will enhance your career path. It provides opportunities for career growth and development through networking at both formal and informal events outside of the regular workplace.

### ASME-IPTI STUDENT PROGRAMS

#### ASME-IPTI STUDENT PROGRAMS - WE'RE HERE TO HELP!

Qualified, young engineers earn high starting salaries and attractive benefit packages, while enjoying the opportunity for international travel in a dynamic industry. Employers are well aware that the discoveries made and the new technologies developed are accomplished primarily through the contributions of their employees and those contributions are richly rewarded.

#### AS IN THE QUEST TO CONQUER ANY NEW FRONTIER, THE INDUSTRY FACES CHALLENGES.

The world's hunger for clean and renewable energy sources is ever-increasing and so is the demand for engineers to help feed the need. Today's young engineer is instrumental in designing efficient, safe and environmentally responsible plans to extract the large oil and gas reserves buried deep in the earth.

#### ASME-IPTI IS HERE TO PROVIDE THE TOOLS YOU NEED TO MEET THESE CHALLENGES.

You could very well be part of the new generation of miracle engineers who will overcome these challenges through the development of new cutting-edge technologies for increased energy efficiency and greater alternative and renewable energy utilization.

#### JOIN ASME-IPTI AND START INCREASING YOUR VALUE TO FUTURE EMPLOYERS.

Through scholarships, intern programs, our award winning collegiate council, continuing education and many other opportunities for networking and developing career enhancing skills ASME-IPTI has what it takes to help put you and your career on the right track. Help - it's just a membership away.



## SCHOLARSHIPS

At ASME-IPTI's Petroleum Division, we believe that outstanding engineering begins with a solid educational foundation. We give out \$22,000 in scholarships each year to promote student interest in engineering in the petroleum industry. We help students reach their academic goals.

### AT THE HIGH SCHOOL LEVEL, WE AWARD TWO SCHOLARSHIPS OF \$1,000 EACH TO STUDENTS WHO:

- Have a pre-declared major in the mechanical engineering field on his/her application form to college.
- Have a grade point average of 3.0 or better on a 4.0 system and provide an official original transcript (photocopies, electronic files, and faxes are not acceptable).
- Have been approved by their high school guidance counselor and principal and have a letter of recommendation from a teacher within the disciplines of engineering, math, and/or science.
- Provide a one-page, typed, double-spaced essay indicating the applicant's interest in some phase of mechanical engineering.

At the college level, we award five scholarships of \$2,000 each to students in an Accreditation Board of Engineering & Technology (ABET) university or college (domestic) or equivalent (international).

### TO BE ELIGIBLE, THE STUDENT MUST:

- Have completed at least 1 semester or 2 quarters of an engineering curriculum but still have at least 1 semester or 2 quarters of undergraduate school remaining as of June of each year of the scholarship award.
- Be a current member in good standing of an ASME Student Chapter. Submit a letter of recommendation from the Section Faculty Advisor, and have an overall GPA of 2.5 or better on a 4.0 system.
- Provide an official transcript from the college's registrar office (photocopies, electronic files, and faxes are not acceptable) of current enrollment from an ABET accredited (domestic) university or equivalent (international).
- Provide a one-page, typed, double-spaced essay (ASME format or another professional discipline's format) that indicates the applicant's interest in some phase of the petroleum industry.

## IPTI FELLOWSHIP

Fellowship scholarships are given at the graduate level. The ASME-IPTI Petroleum Division (PD) Graduate Fellowship offers one yearly award that provides financial support to a student who has earned a bachelor's degree in an engineering curriculum and has been accepted in a graduate engineering school. IPTI's Petroleum Division seeks to ensure the vitality of the human resource base in the mechanical engineering field as applied to the petroleum industry. We will award an annual fellowship of \$10,000 to the most qualified applicant. To be eligible, a student must:

- Be accepted for enrollment as an entering first-year student in a graduate degree program in mechanical engineering.
- Be a member in good standing of ASME and have an overall grade point average of at least 3.0 on a 4.0 system.
- Provide official transcripts from their undergraduate university or college.
- Not be attending school as a member of any branch of the Armed Services nor be obligated to serve an enlisted period in any branch of the Armed Services following graduation.
- Submit a one to two-page, typed, double-spaced essay (ASME format or another professional discipline's format) detailing the student's interest in the petroleum industry and what challenges the industry offers them and what value they may add to the industry.

Students interested in any phase of the petroleum industry including drilling, completions, facilities, pipelines, rigs, operations, materials, equipment manufacturing, plant design and operation, maintenance, environmental protection and innovations are eligible to apply.

## STUDENT INTERN PROGRAM

Be selected as the Petroleum Division's Student Intern and leap ahead of the competition. The benefits are endless, including the opportunities to:

- Travel
- Network with some of the most influential professionals in the petroleum industry
- Attend technological conferences, workshops and seminars that develop your skills at creating and presenting project reviews
- Work one-on-one with a mentor that has a proven track record in the industry
- Learn how board meetings are run
- Develop your listening skills
- Develop the skills that will get you noticed, and
- Identify yourself with a well respected professional society

The student intern attends PD Executive Committee Board meetings and chairs the Collegiate Council meetings for a year. As the head of the Collegiate Council, the intern is the liaison between the Collegiate Council and the IPTI staff.

To be considered for the student intern position, you must:

- Be a current student member of ASME
- Have completed your junior year
- Be interested in a petroleum-related industry
- Have a past and/or current volunteer involvement in ASME (preferred, but not required)

## COLLEGIATE COUNCIL

"It's difficult to get plugged in."

"It's designed for more senior professionals."

These are comments that we heard from our focus groups of students just like yourself on why they found it difficult to get involved in their professional society. The truth is that your voice is needed. In order to meet the needs of our members into the future we need to hear from you.

The Collegiate Council is our answer. With the inaugural meeting in 2003, the council has been an integral part of ASME IPTI's planning for the future. This meeting of students from North America and Mexico representing their respective universities produced a list of needs that students want from IPTI. They then decided on a project and undertook it with great enthusiasm. The results of this collegiate council will be a legacy left for future student members.

### WHAT ARE THE BENEFITS FOR ME?

- Shape the future of your professional society
- Develop skills that can be used in your career
- Association participation looks favorable on your resume
- Meet other students with similar interests
- Learn more about what the industry has to offer
- Fully funded trip to Collegiate Council meetings, including airfare, meals and lodging
- Payment of your first year's ASME membership upon receipt of your degree
- Enhanced opportunity to apply for ASME-IPTI scholarships
- Enhanced opportunity to apply for ASME-IPTI internships

### SO, WHAT DOES THE COLLEGIATE COUNCIL DO?

- As a Collegiate Council member, you will be responsible for disseminating IPTI information to your student section members.
- Work closely with other Collegiate Council members on the council-chosen project.
- Work closely with the current student intern and the IPTI staff.
- Attend two meetings normally held in October and April.
- Submit a report at the end of the one year term that highlights any new ideas for the ASME-IPTI Collegiate Council Program.

"The Collegiate Council was a way for me to learn more about the petroleum industry and what it has to offer. And also the council members were great and allowed me to have many contacts throughout multiple industries!" Tiffany Stein, Collegiate Council Member, 2003-2004, University of Texas at Tyler.

## OTHER ACTIVITIES/BENEFITS

In addition to the ASME-IPTI Petroleum Division scholarships and internships, ASME sponsors several other educational and fun-filled activities designed to give you the competitive advantage and to support your life-long learning. Among them are regional student conferences (hosted by a different school in the region every year) where student sections discuss various topics as well as participate in design, technical, and writing competitions.

- Oral Presentation Competition
- Technical Webpage Competition
- Technical Poster Competition
- Early Career Award

The ASME Student Design Competition challenges teams of up to four students to design, construct and operate a prototype, meeting the requirements of an annually determined problem statement.

Other activities designed to foster healthy competition include:

- Early Career Essay Competition
- Student Section Advisor Award
- Charles T. Main Student Section Award
- Arthur L. Williston Award

IPTI is dedicated to the belief that outstanding engineering begins with a solid foundation of education.

GET INVOLVED!