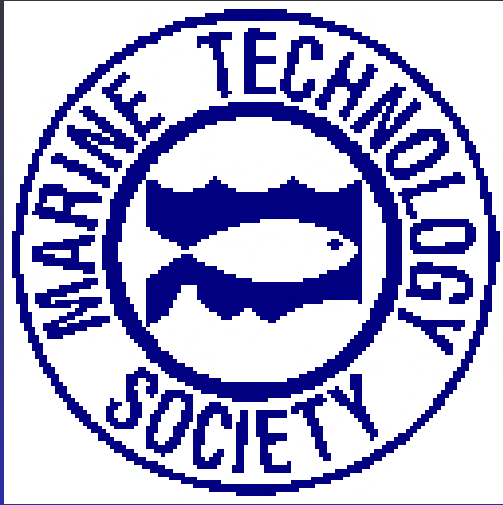


Marine Technology Society

- ← Founded in 1963
- ← Members from academia, government and industry
- ← Hosts several conferences annually
- ← Publishes journal & newsletter
- ← Technical committees
- ← Regional sections



MTS - San Diego Section



- ← Monthly meetings with speaker
- ← Electronic newsletter
- ← Science Fair awards
- ← High School ROV competitions
- ← Student model boat competition
- ← **Intern Program**

MTS Student Intern Program

- ← Ten year history
- ← 160 student participants to date
- ← Open to **exceptional** high school juniors & seniors
- ← In public & private schools, county-wide
- ← Full-time, for six weeks
- ← Hosted by company or institution
- ← Paid \$1920 stipend - minimum wage for the time spent





Past Hosts

- BAE Systems
- Biospherical Instruments
- Kongsberg-Simrad
- DeepSea Power & Light
- Diving Unlimited Intern.
- Fugro Pelagos
- Hubbs - Sea World
- InterOcean Systems
- Survival Systems Intern.
- Lockheed-Martin
- Merkel & Associates
- Nautronix
- NOAA
- Oceaneering
- RD Instruments
- SAIC
- Scripps Institution
- SeaBotix
- SeaCon Brantner
- Sontek YSI
- Sidus Solutions



Participants:

← Corporate/host

← mentor

← student

← MTS

Each has **benefits** & **responsibilities**.



Benefits: Corporate/host

← community service

← recognition

- * their own newsletter

- * Society newsletter

- * name on flyer

- * newspapers??

← quality work for little cost



Benefits: mentor

← **community service**

← **recognition**

- * **their own newsletter**

- * **Society newsletter**

← **being “energized” by a young person**



Benefits: student

← hands on experience

← technical/career advice

← employment/workplace
skills

← \$\$\$'s



Benefits: MTS

← community service

← recognition



Obligation/responsibilities:

Corporate/host

- ← 1) find mentor...someone enthusiastic & good w/ kids
- ← 2) pay stipend (\$1920)
- ← 3) recognition dinner (\$100)
- ← 4) provide materials if necessary



Obligation/responsibilities: mentor

- ← 1) introduce student to work environment
- ← 2) teach proper work etiquette
- ← 3) find MEANINGFUL projects, tasks, assignments for students that involve science, math, computers, etc.
- ← 4) be available to answer questions related to the work, the profession, colleges, etc.
- ← 5) have fun

A decorative graphic on the left side of the slide. It features a vertical bar with a color gradient from blue at the bottom to orange at the top. At the top of the bar, there are three arrows: a grey arrow pointing left, a red arrow pointing right, and an orange arrow pointing up.

Obligation/responsibilities: student

- ← 1) work hard for a total of 240 hours (6 wks x 40 hrs/wk) at the direction of the mentor
- ← 2) follow all rules required by the host
- ← 3) make an extra effort to know the people in the workplace
- ← 4) written/oral presentation at conclusion???
- ← 5) letters of appreciation to host/mentor



Obligation/responsibilities: MTS

- ←1) recruiting of quality candidates from SD County high schools
 - * advertising thru school channels
 - * collecting applications
 - * screening applicants
 - * assist corps/hosts with selecting
- ←2) makes contacts to ensure “things are going well”
- ←3) arranges an awards dinner for all participants



“Targeted” students:

← at least 16 (work permits)

← going to be 11th, 12th

← **exceptional students...the BEST!!!**



Timeline:

- ← **Dec 10**.....flyer/applic mailed and posted on website too
- ← **Feb 1**.....applications due/ application screening by committee
- ← **Feb 1 - June 1**.....corp's/hosts review applications /interviews/selection
- ← **July 1**.....internships begin



Past Student Projects

- ← Internet based research
- ← Web interface development
- ← Measurement of underwater light beam patterns
- ← GPS antenna design
- ← Collecting and running experiments in kelp beds off of La Jolla cove
- ← Drawing schematics in AutoCad
- ← Soldering together light arrays for video cameras on ROVs
- ← Quality testing, documenting, and writing tutorials
- ← And many more!!



Sponsorship Program

- ← For organizations who want to contribute but cannot host a student
- ← Contribute stipend for one or more students
- ← Host will be non-profit organization such as Scripps Institution of Oceanography



Past Sponsors

- ← Teledyne Impulse
- ← MTS National
- ← MTS San Diego
- ← Ocean Sensors
- ← Teledyne RDI
- ← Unified Port of SD
- ← AUVSI
- ← various individuals