# Table of Contents

WELCOME..............................................................................................................................................3  
SOURCES OF INFORMATION..................................................................................................................4  
  Departmental Undergraduate Academic Advisors .............................................................................4  
  Texas A&M University Catalog .........................................................................................................4  
  Texas A&M University Student Rules ................................................................................................4  
  MyRecord (Texas A&M University Student Information System) ....................................................4  
  Schedules of Classes ............................................................................................................................4  
  ESSAP Web Site & Email Information Listserv ..................................................................................4  
  Engineering Online Calendar .............................................................................................................5  
  TAMU Academic Calendar ..................................................................................................................5  
  Engineering News ...............................................................................................................................5  
  Graduation Website ............................................................................................................................5  
IMPORTANT POLICIES............................................................................................................................6  
  Your Curriculum .................................................................................................................................6  
  Engineering Common Body of Knowledge (CBK) Courses ...............................................................6  
  Engineering Enrollment Management ................................................................................................6  
  Grades & Grading Policies ..................................................................................................................7  
  Grades Online ......................................................................................................................................7  
  Grades for Parents/Guardians .............................................................................................................7  
  First Year Grade Exclusion ................................................................................................................7  
  Probation and Blocks ...........................................................................................................................8  
  Changing Your Major ..........................................................................................................................8  
  Academic Recognition .........................................................................................................................8  
  Repeating Courses ..............................................................................................................................8  
  Courses Attempted More than Twice .................................................................................................9  
  Texas Success Initiative ......................................................................................................................9  
  Correspondence Courses and Concurrent Enrollment ......................................................................9  
  Transfer Credits .................................................................................................................................10  
  Current Address on Record ................................................................................................................10  
  Email Communication .........................................................................................................................10  
  $1,000 Tuition Rebate ........................................................................................................................10  
  Tuition Charged for Excess Credit Hours ........................................................................................11  
  Flat Rate Tuition Policy (15 hour minimum policy) .........................................................................11  
RESOURCES, PROGRAMS & SERVICES ...............................................................................................12  
  Engineering Departmental Undergraduate Academic Advisors ...................................................12  
  Engineering Student Services and Academic Programs (ESSAP) ....................................................13  
  ESSAP Staff .......................................................................................................................................13  
  Academic Support Programs ............................................................................................................13  
  Engineering Living Learning Community (ELLC) ............................................................................13  
  Peer Teachers .....................................................................................................................................13  
  Supplemental Instruction ......................................................................................................................14  
  University Writing Center ..................................................................................................................14  
  Computing Support ............................................................................................................................14  
  Computing & Information Services (CIS) ........................................................................................14  
  Help Desk Central ...............................................................................................................................14  
  Open Access Computer Labs .............................................................................................................14
WELCOME

Information – so much is compressed into the new student conferences that it’s almost impossible to comprehend all of it, or to really assimilate what you will actually need and use. This handbook points to where to go, where to call or where to look for information needed to attain your goals. We hope that you will keep it, read it and refer to it as needed. It was created to serve as a sort of ‘Table of Contents’ to available information. If all else fails, visit your departmental undergraduate advisor or come to the Engineering Student Services and Academic Programs office in room 204 Zachry and ask.

The events listed in the calendar section of this book are provided to be a helpful resource for students in planning their semester. However, for all official academic events and deadlines, the Texas A&M Registrar's Academic Calendar should be considered the official record. The Registrar’s Academic Calendar can be found on the following website:

http://admissions.tamu.edu/Registrar/General/Calendar.aspx

Please notify the Engineering Student Services and Academic Programs office (essap@tamu.edu) if any errors or inconsistencies are noted in the online calendar.
**SOURCES OF INFORMATION**

The following are the sources of some information often needed by students.

**Departmental Undergraduate Academic Advisors**

http://essap.tamu.edu/u-advisors.htm

One of the best sources of academic information for every engineering student is his or her departmental academic advisor. Students should check with their advisor before each registration period to ensure they are taking the correct courses and making satisfactory progress, to discuss curriculum options, and for explanations of university and departmental procedures and regulations. Many times, students are not permitted to register without consulting their advisor, so be sure to check in with your advisor. The current engineering departmental advisors are listed in the Resources, Programs & Services section of this booklet.

**Texas A&M University Catalog**

http://www.tamu.edu/admissions/catalogs

New freshmen should refer to the catalog in effect when they first enter A&M. All new students receive information on how to get a catalog when they attend a freshmen or transfer new student conference. Catalogs are designated by an edition number (for example catalog 131). For new transfer students, see your departmental advisor to determine which catalog you should use. The undergraduate catalog is printed each year and is available at the TAMU Bookstore or online at the URL above.

**Texas A&M University Student Rules**

http://student-rules.tamu.edu

The student rules are published only on the web at this URL. The rules include information about the Aggie Code of Honor; TAMU statement on harassment and discrimination; academic rules (grading policies, withdrawal procedures, distinguished student criteria, scholastic dishonesty rules; and student life rules and grievance procedures.

**MyRecord (Texas A&M University Student Information System)**

http://it.tamu.edu/Connecting/Howdy/MyRecord_Tab.php

The MyRecord online information system allows students to access the University computer system to change official mailing address, check course sections, view student schedules, check for blocks, view semester grades, view billing statements, change KINE 198/199 to and from S/U to a letter grade, check on dropped courses, request a degree audit and apply for graduation. Questions about using this service can be answered via the email link to the Student Information Services HELP Desk. It is possible to set up parent log-in credentials which will allow a parent to help monitor a student’s progress.

**Schedules of Classes**

http://courses.tamu.edu

Class schedules are available each semester before the pre-registration period begins. They are available only on the web at the address listed above. They include meeting times and places, times and places for evening or common exams when scheduled, registration restrictions by major or class. They do NOT include prerequisites. To learn what prerequisites are required please see the CURRENT University Catalog.

**ESSAP Web Site & Email Information Listserv**

http://essap.tamu.edu

The Engineering Student Services and Academic Programs office (ESSAP), located in room 204 Zachry Engineering Center, maintains a web site that offers information helpful to students, faculty and staff in the College of Engineering. One service offered is an email information listserv that provides information about scholarships, job opportunities (internship, co-op, and permanent positions), special meetings, conferences and career fairs. For information on how
to join the listserv, visit the ESSAP web site or send email to the ESSAP office essap@tamu.edu and ask to be subscribed.

INCLUDES: Information on academic assistance, special programs, undergraduate research, lists of current departmental academic advisors, job & scholarship resources, etc.

**Engineering Online Calendar**
http://engineering.tamu.edu/events/full.php

Also maintained by the ESSAP, the Engineering Online Calendar contains calendar information of events of interest to engineering students. Student organizations can also publish and publicize their activities through this system.

**TAMU Academic Calendar**
http://admissions.tamu.edu/Registrar/General/Calendar.aspx

The official TAMU Academic Calendar for the current semester and several future semesters is maintained by the Registrar’s Office on their web site. The academic calendar for the year is also included in each TAMU Undergraduate Catalog.

INCLUDES: Academic events, University Holidays, official deadlines such as registration, Q-Drops, withdrawal from the University, graduation application graduation times and dates.

**Engineering News**
http://engineeringnews.tamu.edu

This link gives you access to news releases about activities of “Texas A&M Engineering”—the Look College of Engineering and related agencies.

**Graduation Website**
http://graduation.tamu.edu

The graduation WEB site gives graduation ceremony dates and speakers, graduation announcements, the application form for degree as well as how to order a cap and gown.
IMPORTANT POLICIES

The following is an overview of the policies important to many students. Many of the departments in the Dwight Look College of Engineering have additional regulations for their majors. It is each student’s responsibility to be aware of the policies that affect him or her as a student. Please see your departmental academic advisor for clarification of any regulation or policy.

Your Curriculum

The minimum set of courses required for graduation is printed in the University Catalog. Although the curriculum is usually shown as eight long (fall or spring) semesters, the typical engineering student takes nine (9) semesters to graduate. Often there is a preferred order in which to take the classes, which is recommended by your departmental advisor, but at least you must satisfy course prerequisites and/or co-requisites. You may also take fewer or more credits in a given semester than is shown in the University Catalog, but beginning in the Fall 2005, the University will implement a tuition structure that represents an inducement to take 15 or more hours each semester (or alternatively 30 or more each academic year). See your departmental academic advisor for specific guidance. You may also take additional courses to diversify or focus your education, so long as you continue to make good progress toward degree requirements. The responsibility is yours.

To be considered a full-time student, you must be enrolled in at least 12 hours during the Fall or Spring semester, 4 hours in a 5-week Summer term, and 8 hours in a 10-week Summer semester. The University and College do not require students to be full-time, but often there is health insurance, financial aid, or income tax ramifications that can affect individual decisions about this. Students who Q-drop below this number of hours are considered to be not full time.

Engineering Common Body of Knowledge (CBK) Courses

The courses listed below (or equivalent courses as approved by the departmental academic advisor) must be completed with a grade of C or better.

Computer Science: CPSC 121, 181 221, ENGL 104; MATH 151, 152, 302; 8 hours basic science or equivalent
Engineering Technology: CHEM 107/117; ENGL 104; MATH 151, 152; PHYS 218.

Industrial Distribution: CHEM 107/117; ENGL 104; MATH 141, 151; IDIS 240; PHYS 201.
All other Engineering Majors: CHEM 107/117*; ENGL 104; ENGR 111, 112; MATH 151, 152; PHYS 218, 208 or equivalent
*Chemical Engineering and Radiological Health Engineering majors must complete CHEM 102. Biomedical Engineering majors must complete CHEM 101 or CHEM 107/117 plus CHEM 102.

Engineering Enrollment Management

The resources of faculty and facilities in engineering departments don’t always match the demand of the numbers of students wanting to take upper level courses in certain majors. Because of this, the college operates under a system of enrollment management which limits the number of students allowed to take upper level courses in each major.

All new students are classified as lower level until they have completed the engineering Common Body of Knowledge (CBK) courses (listed in the previous section). To be automatically admitted to a major as and be allowed to take upper level courses, students must complete the CBK courses with a specified grade point ratio (GPR). The decision to be admitted to a major as an upper level student is made on the basis of the student GPR in the CBK courses, cumulative TAMU GPR, and the amount of space available in the major.

At the present time, enrollments in the following majors have not reached resource-based limits: Agricultural Engineering, Biological Systems Engineering. Therefore, students who satisfy the minimum College of Engineering requirements (a minimum grade of C in each CBK course) may be accepted into these programs as long as space is available. However, a GPR of 3.0 in the CBK courses is recommended for reasonable assurance of success in these departments.

Students in other programs must meet specified minimum GPR in CBK courses and overall to be guaranteed admission into the upper division in a
given program. For specifics, please refer to your departmental undergraduate advisor.

Grades & Grading Policies
http://student-rules.tamu.edu/

There are five passing grades, ‘A’, ‘B’, ‘C’, ‘D’, and ‘S’. (However, in many courses grades of ‘C’ or higher are required as specified by your major department or college.)

Satisfactory/ Unsatisfactory (S/ U): A grade of ‘S’ is given for work graded at a ‘C’ or above, when the course is registered for as S/U. Students must decide during the normal registration periods whether to take a course S/U or for a grade, and register for the course accordingly. A student may change the S/U grading option only in Kinesiology 198/199 by going to the Records Office in Metro Center on or before the Q-drop deadline date for the appropriate semester. For an ‘S’, the hours are not included in GPR. There are no grade points for a ‘U’, but the hours are included in GPR. In general, engineering students cannot take any courses required for a degree on a S/U basis except those in Kinesiology. Courses not on their degree plan can be taken pass/fail.

Q-drop: A grade of ‘Q’ is assigned when a course is dropped with no penalty (hours not included in GPR). This requires permission of the undergraduate academic advisor and must be completed before the Q-drop deadline, which is the 50th class day of a fall or spring semester, the 15th class day of a 5-week summer term and 35th class day of a 10-week summer semester (see the Schedule of Classes for Q-drop deadline dates each semester). The department or college may establish procedures for certain classes where Q-drops will not be allowed. There is a limit of three (3) q-drops for an undergraduate degree, however the total of all such drops by a student during his entire studies at state colleges and universities cannot exceed 6. In unusual circumstances (i.e., family emergencies or extended illness) the Dean may authorize a ‘W’ during the semester or ‘No-Grade’ drop at after the semester is completed. However, the student must provide a written explanation of the circumstances (including any backup documentation) and should seek the support of their academic advisor or department head before requesting a late withdrawal from the Dean. In very rare cases a W can be assigned by the Dean for one or more courses without withdrawal from all classes.

NOTE: Be sure that you are aware of the grading policy for each course you take. Course grading policies differ by professor and are provided to the student as a part of a syllabus at the beginning of each course.

Grades Online
http://it.tamu.edu/Connecting/Howdy/MyRecord_Tab.php

The MyRecord online information system allows students to access the University computer system to view semester grades.

Grades for Parents/ Guardians

Texas A&M University does not mail grade reports. Parents/guardians should discuss with their student a process to set a parent password to access information (grades, class schedule and verification of enrollment) available at
Unofficial grades may be printed from this web page for scholarship sponsors, good student insurance discounts, employer reimbursement, etc. Any student may set a parent password to allow limited access to his or her records by a parent, guardian, spouse, or other individual as deemed appropriate by the student.

The Records Section does not set the parent password or supply password information to parents or guardians. Disputes over access to grades must be settled between the student and his/her parents.

Questions about this service may be directed to the Records Section, Office of the Registrar. Please email records@tamu.edu or call 979-845-1003.

First Year Grade Exclusion
http://student-rules.tamu.edu/rule10

A fully admitted, currently enrolled Texas A&M undergraduate student as defined by the Texas Higher Education Coordinating Board as “first time in college” may elect to exclude from his/her undergraduate degree and cumulative GPR calculation grades of D, F, or U. This exclusion shall be permitted for a maximum of three courses taken for credit at Texas A&M University during the twelve month period following the student's initial college enrollment. Transfer students are not eligible for first year grade exclusion.

Probation and Holds

Scholastic Probation – Set by the department; can occur when semester GPR overall or in the major drops below a 2.0 or below departmental requirements.

Registration Holds – Set by department or College (and others) for scholastic deficiency or other reasons (traffic tickets, unpaid bills, TASP requirements, Health Center immunization records, advising, etc.). Contact the office that set the hold for information.

Changing Your Major
http://essap.tamu.edu/change-major.htm

Before changing majors, students should seek advice from and explore career options with their departmental academic advisors. If changing to a major within the college of engineering, the student should visit the academic advisor of the department to which he or she would like to change and ask to be accepted. The new department will check grades, courses taken and other departmental requirements and will decide if they will accept the student. If accepted, the student should return to the original department and ask the academic advisor to initiate the paperwork required for a change of major. If changing to a major outside the college of engineering, the student should visit the new college's Dean's office and ask to be accepted. If accepted, the new college will initiate the paperwork for the change of major.

Academic Recognition
http://student-rules.tamu.edu/rule11

An undergraduate student who completes a semester schedule of at least 15 hours or a summer session schedule of at least 12 hours with no grade lower than C and with a grade point ratio of not less than 3.5 for the semester or for a summer session shall be designated “distinguished student.” A student who, under the same circumstances, achieves a grade point ratio of at least 3.75 also shall be designated as a member of the “dean’s honor roll.” First semester freshmen must complete a semester schedule of at least 15 hours with no grade lower than a “C,” no Q-drops and with a grade point ratio of not less than 3.5 for “distinguished student” designation and a 3.75 for “dean's honor roll.” Official notification of these designations will be issued to the student by the dean of the student's college. The hours earned with a grade of S shall not be included in determining minimum hours required for the designation of “distinguished student” or “dean's honor roll.” A grade of I or U disqualifies a student from being considered as a “distinguished student” or for the “dean’s honor roll.” Students who use grade exclusion must still meet the minimum of requirements in hours and grades to qualify for the appropriate honors. Grades of Q, W, and NG may not be included in the 15 graded hours. Only undergraduate courses or graduate courses used for the undergraduate degree will be used in either honors calculation.

Repeating Courses
http://student-rules.tamu.edu/rule10.htm

Any undergraduate student who wishes to repeat a course must do so before he or she completes a more advanced course in the same subject. What constitutes a more advanced course will be
determined by the head of the department offering the course. When a course is repeated by an undergraduate student in an attempt to earn a grade higher than C, D, F, or U, only the highest grade is used toward degree requirements. However, the grades for all courses taken in residence at Texas A&M University will remain on the student's permanent record and will be used in computing the cumulative GPR. A student's cumulative GPR will include all graded courses except courses excluded under the First Year Grade Exclusion Policy. An undergraduate student may attempt a course no more than three times, including courses graded Q or W but excluding these graded NG, unless approval has been received from both the student's Dean and the department offering the course.

A student repeating a course in which a grade of B or better has been earned will not receive grade points for the repeated course, unless the catalog states the course may be repeated for credit.

Courses Attempted More than Twice

http://admissions.tamu.edu/Registrar/General/ThreeRepeat.aspx

A course repeated by a student more than once at a public institution of higher education in Texas may not be reported for state funding. As a result, the institution must either pass the non-funded portion to all students or charge a supplementary fee to the student who is repeating the course. Texas A&M University has chosen to assess a supplementary fee to only those students repeating the course more than once.

A student attempting certain courses more than twice at Texas A&M University will be subject to a supplementary fee of $125 per semester credit hour ($375 for a 3 hour course) for the repeated course, in addition to tuition and required fees associated with the course. The general criteria for determining which courses are subject to the supplementary fee are:

- A course is subject to the fee if a student has completed it twice at Texas A&M University with a grade of A, B, C, D, F, F* (academic dishonesty), S (satisfactory), U (unsatisfactory), I (incomplete), Q (authorized drop after the add/drop period) or X (no grade submitted).
- Courses dropped with no record (NR), no grade (NG) and withdrawals (W) are not counted as repeated courses.

Students will be notified at the time they register for a course that it has been taken twice at TAMU and is subject to the supplementary fee.

Texas Success Initiative

http://slc.tamu.edu/tsisl.shtml

The Texas Success Initiative (formerly TASP) ensures students enrolled in public colleges and universities possess the necessary academic skills. All undergraduate students must take an assessment test prior to enrollment in college-level courses at Texas A&M unless they meet or exceed performance standards on the TAAS, ACT or SAT tests.

Undergraduate students who are not exempt must take an approved alternative test prior to registering for college-level courses during the New Student Conference. Your academic advisor will let you know if you are required to take an alternative test.

Correspondence Courses and Concurrent Enrollment

http://student-rules.tamu.edu/rule2.htm

Students may apply up to 12 hours of correspondence credit earned through an accredited institution toward the requirements for an undergraduate degree. Correspondence courses taken through the Defense Activity for Non-Traditional Education Support (DANTES) may be accepted and included in the 12 hours allowed. Extension credit from any university other than Texas A&M University is not acceptable for graduate credit. Correspondence courses are in no case acceptable for graduate credit.

Undergraduate students enrolled at Texas A&M who wish to take a course or courses concurrently at another institution for degree credit at Texas A&M must receive the prior approval of their dean. Co-enrollment forms are available from the departmental academic advisors.
Transfer Credits
http://student-rules.tamu.edu/rule9.htm

Students should always check with a departmental academic advisor before signing up for courses at other schools. Another resource is at http://www.tccns.org/ccn/, which defines the “Texas Common Course Numbering System”, a system to facilitate transfer of similar courses between public colleges within Texas.

Some courses completed at other schools may transfer to Texas A&M “by Equivalency”. This means the credit hours show up on your A&M transcript by the appropriate A&M course number. Other courses may transfer “by Title”, which means your A&M transcript shows only the other school’s name for the course. In certain cases, the “by Title” credits may be petitioned to satisfy an A&M degree requirement.

Materials to illustrate the content of the course at the other school will help your departmental undergraduate advisor in the petitioning process, such as:

1. The catalog description of the course from the school at the time the course was taken.
2. The textbook title and table of contents used at the other school.
3. The course syllabus, the professor’s outline from the other school.
4. Any other papers from the course taken at the other school: workbook, tests, homework, reports, theme papers, memo from the professor, etc.

If you have a course that transferred in “by title”, and you think it should be substituted for a required Texas A&M course, please see your departmental academic advisor.

Students who transfer to Texas A&M from an institution of higher education that is not accredited by one of the regional accrediting associations may validate the work taken at the institution by one of the following methods:

Successful completion of a comprehensive departmental examination or a nationally standardized examination that is approved by the department. There should be no charge for departmental examinations.

Successful completion of a higher level course in the same subject area when approved by the head of the department and the dean of the college.

As a general rule, credit will be given for transfer work satisfactorily completed with a passing grade at another properly accredited institution. Credits given by transfer are provisional and may be cancelled at any time if the student’s work in the university is unsatisfactory.

Credit will be given to students transferring from non-accredited public colleges in Texas for work completed with grades of C or better if they earn a grade point ratio of 2.00 (C average) on the first 30 hours of residence work at this university.

Acceptance of transfer credit for courses in agriculture and business administration will generally be limited to those courses taught in the freshman and sophomore years at this institution.

Transfer work from international colleges and universities will be evaluated on an individual basis. No English credits are awarded from schools located in non-English speaking countries. “A” level examinations will transfer. Baccalaureate II examinations will not transfer, but these students may take CLEP or departmental examinations to receive credit.

Current Address on Record
http://student-rules.tamu.edu/rule1.htm

To avoid missing important communications from the university, it is the student’s responsibility to keep the registrar informed of current local and permanent addresses. Communications mailed to either address of record will be deemed to be adequate notice.

Students can check or change address information themselves by using MyRecord online information system, or they can update this information in the Registrar’s Office.

Email Communication
http://student-rules.tamu.edu/rule61.htm

The student rules establish email as an official means of communication (equivalent to the U.S. Postal Service) at Texas A&M University. It also establishes student responsibilities for use of official TAMU email accounts and official email correspondence. Students are obligated to monitor certain email addresses for official correspondence.

$1,000 Tuition Rebate
http://finance.tamu.edu/sbs/tuition/tuition_rebate.asp

For a student to be eligible for a rebate of a portion of the undergraduate tuition the student has paid:

- They must have enrolled for the first time in an institution of higher education in the fall 1997 semester or later,
They must be requesting a rebate for work related to a first baccalaureate degree received from a Texas public university,
They must have been a resident of Texas and have been entitled to pay resident tuition at all times while pursuing the degree.
They must have attempted no more than three hours in excess of the minimum number of semester credit hours required to complete the degree under the catalog under which they were graduated.
If enrolled for the first time in fall 2005 or later, they must have graduated within four calendar years for a four-year degree or within five calendar years for a five-year degree if the degree is determined by the Texas Higher Education Coordinating Board to require more than four years to complete, and
Hours attempted include:
Transfer credits, course credit earned exclusively by examination, in excess of nine semester credit hours, courses that are dropped after the official census date, (including Q-drops and withdrawn hours), for-credit developmental courses, optional internship and cooperative education courses, courses repeated exclusively by examination, repeated courses.
*Note: courses excluded from GPR calculation through First Year Grade Exclusion are counted as attempted hours for purposes of the tuition rebate.
Courses dropped for reasons that are determined by the institution to be totally beyond the control of the student shall not be counted.
Students must apply for rebates prior to receiving their baccalaureate degrees on forms provided by the institution and must keep the institution apprized of their addresses for at least 60 days after their graduation date.

TO APPLY
Students who meet the above requirements must apply to the Texas A&M University Registrar during the semester in which they expect to graduate. If all requirements are met, the Registrar will notify the Director of Student Business Services and a Tuition Rebate will be issued for the amount of tuition paid, not to exceed $1,000, less any outstanding loans or other amounts owed the University or owed to or guaranteed by the State of Texas.

### Tuition Charged for Excess Credit Hours
(Formerly known as the “170-Hour Rule”)
[http://admissions.tamu.edu/Registrar/General/ExcessCredHr.aspx](http://admissions.tamu.edu/Registrar/General/ExcessCredHr.aspx)

The State of Texas will not provide funds to state institutions of higher education for excess semester credit hours earned by a resident student. Since funding will not be provided by the State, and as permitted by State law, TAMU will charge tuition at the non-resident rate to all students that exceed the semester credit hour limit of their program.

Effective with students initially enrolling in the fall 1999 semester and subsequent terms, excess credit hours are those hours attempted by a resident undergraduate student that exceed by more than 45 hours the number of hours required for completion of the degree plan in which the student is enrolled. Effective with students initially enrolling in the fall 2006 semester and subsequent terms, excess credit hours are those hours attempted by a resident undergraduate student that exceed by more than 30 hours the number of hours required for completion of the degree program in which the student is enrolled.

The limitation on excess credit hours applies only to those undergraduate students who first enter higher education in the fall of 1999 and thereafter. For purposes of excess hours, resident undergraduate student includes a nonresident student who is permitted to pay resident tuition.

### Flat Rate Tuition Policy (15 hour minimum policy)
[http://finance.tamu.edu/sbs/ tuition/flat_rate_tuition.asp](http://finance.tamu.edu/sbs/tuition/flat_rate_tuition.asp)

All full-time Texas A&M undergraduate students (registered for 12 or more hours in a fall or spring semester) will be required to pay a “designated tuition” based on a flat rate of 15 hours per student. This policy is intended to be an incentive to encourage students to enroll in heavier loads and make faster progress toward a degree. Thus, students who take 16 or more hours will only pay for 15 hours of “designated tuition”. This does not change the amount of State tuition charged, which will remain as set by the state. The “designated tuition” is that portion of tuition established by the university. Students enrolled in 11 hours or less are considered part-time students, and their tuition will not change.
RESOURCES, PROGRAMS & SERVICES

Engineering Departmental Undergraduate Academic Advisors

These advisors and the office staff who support them are here to assist you. Please visit your advisor for discussion of any problem, questions, rumor, or interest. If they are not available when you first come in, make an appointment in the main advising office. Advisors change from time to time, so please ask for the undergraduate academic advisor.

AEROSPACE ENGINEERING ...................... 845-0735
Room 750 H.R. Bright Building
Ms. Kristi Shryock ...................... kristis@tamu.edu
Ms. Laura Olivarez ...................... laura.oliv@tamu.edu

BIOLOGICAL & AGRICULTURAL ENGR. ...... 845-0609
Room 303-H Scoates Hall
Dr. Cady R. Engler ...................... c-engler@tamu.edu
Ms. Ashlea Schroeder .................. aschroeder@tamu.edu

BIOMEDICAL ENGINEERING ..................... 845-5532
Room 337 Zachry Engineering Center
Dr. Fidel Fernandez ..................... fidel@tamu.edu
Dr. William Hyman ..................... w-hyman@tamu.edu

CHEMICAL ENGINEERING ......................... 845-3363
Room 250 Brown Engineering Building
Dr. Lale Yurttas ...................... l-yurttas@tamu.edu
Ms. Katherine Mabray .................. kmabray@tamu.edu

CIVIL ENGINEERING ................................ 845-7436
Room 140 Civil Engineering Building
Mr. Richard Bartoskewitz .......... bartoskewitz@tamu.edu
Dr. Terry Kohutek ...................... t-kohutek@tamu.edu
Dr. Lee Lowery ...................... lowery@tamu.edu

COMPUTER SCIENCE & ........................... 845-4087
COMPUTER ENGINEERING - CS TRACK
Room 916G Richardson Building
Dr. Richard Furuta ...................... furuta@cs.tamu.edu
Dr. Joe Hurley ...................... hurley@cs.tamu.edu
Ms. Marilyn Payton .................. mpayton@cs.tamu.edu

ENGINEERING TECHNOLOGY & .................. 845-4951
INDUSTRIAL DISTRIBUTION
Room 106 Fermier Hall
Mr. Matthew Whiteacre .............. whiteacre@tamu.edu
Mr. Evan Vetal ...................... evan@entc.tamu.edu

INDUSTRIAL & SYSTEMS ENGINEERING ....... 845-5531
Room 238 Zachry Engineering Center
Dr. Andy Banerjee ...................... banerjee@tamu.edu
Ms. Jeana Goodson .................. j-goodson@tamu.edu

MECHANICAL ENGINEERING ...................... 845-1252
Room 200 Engineering / Physics Building
Mr. Doug Beck ...................... 862-3334
Dr. Harry Hogan ...................... hhogan@tamu.edu
Ms. Kim Moses ...................... kmoses@tamu.edu

NUCLEAR ENGINEERING & ..................... 845-4161
RADIOLOGICAL HEALTH ENGINEERING
Room 129 Zachry Engineering Center
Ms Marna Billiter .................. marnal@ne.tamu.edu
Dr. William Marlow .................. w-marlow@tamu.edu

OCEAN ENGINEERING ...................... 845-4515
Room 801 CE/TTI Building
Dr. Scott Socolofsky .................. socolofs@tamu.edu

PETROLEUM ENGINEERING ...................... 845-6955
Room 501-U Richardson
Dr. Bryan Magoon ...................... maggard@pe.tamu.edu
Dr. Laurie Metcalf .................. laurie.metcalf@pe.tamu.edu

COLLEGE OF ENGINEERING ...................... 845-7200
Room 204 Zachry Engineering Center
Dr. Ray W. James, P.E. ................ r-james@tamu.edu
Ms. Cathy Sperry .................. c-sperry@tamu.edu
Engineering Student Services and Academic Programs (ESSAP)

http://essap.tamu.edu

204 Zachry Engineering Center .................... 845-7200
The ESSAP is the Academic Dean’s Office. Students who have difficulties that cannot be resolved by their departmental academic advisors should come see one of the staff members listed below. These staff members also coordinate and administer enrichment and retention programs for students in the college and work with recruitment / outreach programs for pre-college students.

ESSAP Staff

http://essap.tamu.edu/staff.htm

204 Zachry Engineering Center .................... 845-7200

Dr. Jo W. Howze ...................... j-howze@tamu.edu
Senior Associate Dean for Academic Programs
Ms. Cathy Sperry ..................... c-sperry@tamu.edu
Manager, Engineering Academic Program Services
Ms. Magdalini Lagoudas........ m-lagoudas@tamu.edu
Director, Engr. Student Services & Academic Prog.
Ms. Joy Monroe ......................... jmonroe@tamu.edu
Administrative Coordinator
Ms. Marilyn Green ................. marilyn@tamu.edu
Engineering Recruitment Coordinator
Dr. Ray W. James, P.E. .......... r-james@tamu.edu
Assistant Dean, Engr. Student Services
Ms. Betty Steckman .............. b-steckman@tamu.edu
Administrative Assistant
Ms. Jacque Hodge ................. jqhodge@tamu.edu
Project Manager
Ms. Lori Cardenas ................. lori@tamu.edu
Engineering Senior Program Specialist
Dr. Don Maxwell ................. maxwell@tamu.edu
Coordinator, ENGR 111/112
Ms. Carol Broach .............. cbroach@tamu.edu
Administrative Assistant, ENGR 111/112
Mr. Larry Koenig ................. larry@tamu.edu
Senior Database / Systems Administrator I
Ms. Margaret Ridgway ... margaretridgway@tees.tamus.edu
Business Coordinator II

Dr. César O. Malavé, P.E. ........ malave@tamu.edu
Associate Dean for Engineering
Ms. Dawna Rosenkranz ....... d-rosenkranz@tamu.edu
Manager, Engineering International Programs

Academic Support Programs

Engineering Living Learning Community (ELLC)

http://essap.tamu.edu/ellc
http://reslife.tamu.edu/housing/llc/engineer.asp

204 Zachry Engineering Center .................... 845-7200
The Engineering Living Learning Community is a Texas A&M University residence hall clustering program for first-year engineering students with the goal of creating a community of scholars to help in the transition to college and the commitment to academic excellence. Additional goals of the program are:

1. to increase the retention rates of freshman in engineering;
2. to provide services that enhance and add to the value of student studying engineering;
3. to provide an environment that is conducive to building a strong, cohesive peer support system that will serve participants throughout their academic and professional careers.

Peer Teachers

http://enotes.tamu.edu

Peer teachers are undergraduate students who have successfully completed the first-year courses in mathematics, science and engineering. They participate in the class and share the value of what the students are learning and the reasonableness of the workload with the faculty teaching the course. They work to build strong and trusting relationships with the students by mentoring and help expose the students to a broader perspective of their learning processes. This is accomplished by helping students during in-class activities, providing outside class support (tutoring, pre-exam review sessions, mentoring, etc.) and providing feedback about course related issues to other members of the instructional team.
Each semester peer teachers are provided for the freshman level Engineering courses (ENGR 111 & 112).

**Supplemental Instruction**
http://slc.tamu.edu/si.shtml

525 Blocker Building .......................... 845-2724
SI is an academic assistance program designed to improve the student's academic performance and increase retention.

The SI program targets traditionally difficult core curriculum courses and provides regularly scheduled, out-of-class, peer-facilitated group study sessions.

SI leaders are required to attend an intensive training seminar at the start of each semester, attend all class lectures, take notes, read assignments, and conduct three 50-minute study sessions per week.

**University Writing Center**
http://writingcenter.tamu.edu/

Evans Library................................. 458-1455
The University Writing Center is a resource for undergraduate students who want consultation at any stage of the writing process. Services for students feature face-to-face and on-line consultations.

Web site includes a list of all approved writing intensive (W) courses.

**Computing Support**

**Computing & Information Services (CIS)**
http://cis.tamu.edu/

Whether on- or off-campus, desktop or laptop, wired or wireless, CIS offers a wide range of services and support to help students in their academic endeavors. The CIS web site listed above provides a list of links pointing to more information on a whole host of computing topics for students, or you can use the CIS Web site search engine above for more targeted results.

**Help Desk Central**
https://hdc.tamu.edu

Teague Building Rm. 1112...................... 845-8300
CIS Help Desk Central is a 24-hour service facility providing computing assistance to students, faculty and staff of Texas A&M University. The HDC serves as a clearinghouse for customer questions over a wide range of computer-related issues and is manned by over 30 student workers and 15 full-time staff.

Help Desk Central is available for phone support at (979) 845-8300 24 hours a day, 7 days a week, and 365 days a year.

Walk-ups to Help Desk Central are also welcomed. The HDC is located in the Computing Services Center/Teague Building in room 1112. The south-facing glass doors remain open to allow 24/7 customer walkup access to Help Desk Central.

**Open Access Computer Labs**
http://oalinfo.tamu.edu

See locations below ......................... 845-8300
The Texas A&M University Open-Access Computer Labs are available for faculty and students of the University. Five Open-Access Labs, six supported locations, and one dedicated Printing Center provide access to email accounts as well as Web navigation, image-manipulation, desktop Publishing, spreadsheet applications, computer-to-computer communications software, programming languages, and a number of course-specific programs. Lab access is twenty-four hours per day when classes are in session in the Student Computing Center (SCC) in order to better serve the needs of the students and faculty.

**Microsoft Software Discount**
http://cis.tamu.edu/customer-sales/sell/student.php

TAMU has a licensing agreement with Microsoft that allows students to get software at greatly reduced prices.

**Software**
http://software.tamu.edu

Software.tamu.edu is an online "store" that is run by the Software Evaluation and Licensing Library (SELL) of Computing & Information Services. Its purpose is to provide an easy way for you to purchase licenses.
for Microsoft software as part of Texas A&M University’s Campus Agreement with Microsoft.

**Financial Support**

**Student Financial Aid Office**

http://finance.tamu.edu/

2nd Floor Pavilion ............... 845-3236 or 845-3987

Services and information on: financial aid counseling, scholarships, grants, loans, emergency loans, student employment, veterans’ services, and a national scholarship database.

**Office of Honors Programs & Academic Scholarships**

http://honors.tamu.edu

101 Academic Building ..................... 845-1957

Coordinates honors scholarships and honors courses. Honors courses are typically more challenging with limited enrollment and are reserved for qualified successful and motivated students that encourage participatory learning.

**College of Engineering Scholarships**

http://scholarships.tamu.edu

204 Zachry Engineering Center ............... 845-7200

Once enrolled, students can apply for university and college level scholarships using the university common scholarship application for continuing students (deadline February 1 of each year). College level scholarships are highly competitive and usually range from $2,000 to $3,000. About 30-40 college level scholarships are awarded each year.

**Departmental Scholarships**

Contact your departmental undergraduate advising office (listed earlier in this section) for more information on departmental scholarships.

---

**Engineering Certificate Programs**

http://essap.tamu.edu/cert-programs.htm

**Energy Engineering Certificate**

http://essap.tamu.edu/energy.htm

710-BA Richardson Building ..................... 458-0797

Coordinator: Dr. Christine Economides

The objective of the Energy Engineering Certificate is to better prepare undergraduate students to face the challenges of world energy supply and demand and how to ensure a sustainable energy future. The program will educate engineering majors and suitably prepared science majors about all energy sources, their development, generation, conversion, transmission, and use; with an emphasis on the importance of improving the standard of living for all people while at the same time preserving and improving the environment.

**Engineering Project Management Certificate**

http://essap.tamu.edu/project-mgmt.htm

705-C CE/TTI .................................. 862-6616

Coordinator: Dr. Ivan Damnjanovic

The Engineering Project Management Certificate is intended to help meet the requirements of industry by educating undergraduate engineering students to understand complex engineering projects, project organizations and project management methods. Students completing this certificate will be able to work effectively in multidisciplinary engineering projects immediately after completion and to advance more rapidly within the project management organization and profession. The management of projects entails technical knowledge, engineering skills and management skills.

**Engineering Scholars Program Honors Certificate**

http://essap.tamu.edu/esp.htm

204 Zachry Engineering Center ............... 845-7200

Coordinator: Dr. Ray James

The ESP is an opportunity for exceptional academic students. The program provides an honors path through the BS degree and early involvement with graduate research activities. New student applicants must have at least a 1350 composite score on the SAT or equivalent ACT, graduate in the top 10% of their high school class, and have received A’s or B’s in
their math and science classes. Engineering students with 45 or less TAMU credit hours and a 3.5 cumulative GPR are also eligible. Students must maintain a 3.5 GPR while in the ESP program. Successful completion of the ESP program is noted on transcripts.

International Engineering Certificate
http://essap.tamu.edu/international-cert.htm

326 Wisenbaker Engr. Research Center ..... 458-2693
Coordinator: Dr. César Malavé
The certificate program prepares graduates for positions in multinational companies and foreign organizations. To earn the certificate, which is noted on the student's permanent transcript, students are required to satisfy the following:

- **Language Component**: Six (6) credits of at least 200 level courses in a single language (excluding English).

- **Internationalization Component**: Six (6) credits from the International and Cultural Diversity courses in the university core curriculum.

- **Global Engineering Design Component**: Three (3) credits from one of the following:
  - ENGR 410 Global Engineering
  - Design course in an engineering department with a significant international component

- **International Experience Component**: Three (3) credits. The international experience component is individualized and must be approved by the College of Engineering.

Polymer Specialty Certificate
http://essap.tamu.edu/polymer.htm

215 Engineering/Physics Building ............... 458-0918
Coordinator: Dr. H.J. Sue
The Polymer Specialty Certificate is designed to provide a strong interdisciplinary educational program for undergraduate engineering and suitably prepared science students interested in pursuing a polymer career. The certificate will also reduce training time required to turn Texas A&M students into productive members of the industrial workforce. This program is the first of its kind offered in the State of Texas.

Safety Engineering Certificate
http://essap.tamu.edu/safety.htm

246 Jack E. Brown Building ...................... 862-3985
Coordinator: Dr. Sam Mannan
The Safety Engineering Certificate prepares the graduate for positions in several areas of safety engineering. Students completing 15 semester credit hours of the specified courses earn a Safety Engineering Certificate and this is recorded on the students' permanent university transcript. This specialty is administered through the Office of Dean of Engineering.

Other Certificate Programs

Business Management Certificate for Engineering Students
http://essap.tamu.edu/bmc.htm

204 Zachry Engineering Center ................. 845-7200
Coordinator: Ms. Jacqueline Hodge
Graduating engineers from Texas A&M University receive instruction in technical skills. However, their business acumen as related to engineering endeavors is generally lacking. The Business Management Certificate addresses this need. Recognized by the College of Engineering, it is a highly intensive program intended to teach vital business competencies that you need before entering the workforce.

International Engineering Education
http://iee.tamu.edu

326 Wisenbaker Engr. Research Center ..... 845-9588
The IEE office handles all international academic business for the Dwight Look College of Engineering at Texas A&M University. The IEE office is also the main interface with the branch campus in Doha, Qatar.

In today's global economy, it's important for engineering students to learn how complex engineering problems are defined and solved by engineers in different cultures. The IEE Office provides opportunities for students to learn these skills through study abroad, work abroad, research abroad and exchange programs.
Undergraduate Summer Research Grants  
http://essap.tamu.edu/usrg

204 Zachry Engineering Center ................. 845-7200

Each summer the Dwight Look College of Engineering at Texas A&M University offers undergraduate students at the junior and senior level the opportunity to participate in ongoing research with faculty members. The program spans 10 weeks and involves about 50 undergraduate students from Texas A&M and other colleges and universities. During the summer research experience, participants work closely with faculty researchers and graduate students on current research projects, make short progress presentations to their peers during program meetings, attend presentation skills workshops, make a formal poster presentation of their research experience at the end of the program, and submit a written final report describing the results of their research. Students may not enroll in additional courses for the summer sessions.

It is hoped that the students participating in the Undergraduate Summer Research Grants (USRG) program will make significant contributions to ongoing faculty research and, more importantly, will gain an appreciation for and an interest in graduate school and a future research career.

University Programs & Services

TAMU Career Center  
http://careercenter.tamu.edu

2nd Floor Koldus Building ....................... 845-5139
Students must attend an orientation workshop and must register with the career center to participate in career center services. Call the career center for more information on co-op or placement details.

Co-Operative Education & Internships  
http://careercenter.tamu.edu/guides/internship/?sn=former

209 Koldus Building......................... 845-7725
An excellent way for engineering students to gain a year of work experience, earn a good salary, and see how their college courses apply in the corporate world. Consists of alternating semesters of work and school. Careful planning and attendance in summer school can result in an engineering degree with only minor delay.

Student Counseling Service  
http://www.scs.tamu.edu

204 Henderson Hall.............................. 845-4427
Provides professional guidance, counseling and information in these and many other related areas: choosing a major, classroom & study skills, emotional upheaval, stress management, and career options. The services are provided free and are confidential.

Student Conflict Resolution Services  
http://studentlife.tamu.edu/scrs/

C315 Cain Hall................................. 845-7272
Provides free services to assist and counsel TAMU students in resolving their disputes (personal, judicial and legal).

Multicultural Services Center  
http://dms.tamu.edu

137 MSC ....................................... 845-4551
Provides guidance and retention services to TAMU African American, Asian American, Hispanic and Native American students. The center also promotes an understanding and an appreciation of diversity through a variety of educational programs and diversity related courses.

Gender Issues Education Services  
http://studentaffairs.tamu.edu/departments

513 Blocker ..................................... 845-8784
Works to improve campus climate by providing support services for and raising awareness of issues affecting women, survivors of sexual violence, and lesbian, gay, and bisexual students. The staff pursues these goals using the following strategies: support and advocacy; educational programming; services and referrals; information and resources.
**International Programs**

http://international.tamu.edu

158 Bizzell Hall West ......................... 845-3086
This office serves as the TAMU international student's primary contact for information about visa issuance, travel and arrival, financial assistance, the English Language Proficiency Exam, and the cities of College Station and Bryan. The mission of the International Programs Office is to make Texas A&M University a truly international university by infusing a global perspective in its teaching, research, and public service programs.

**Services for Students with Disabilities**

http://disability.tamu.edu

B118 Cain Hall................................. 845-1637
Services and information include: adaptive technology, testing and accommodation services, physical accessibility guides, current legislation on disabilities, interpreter services, and scholarships for students with disabilities.

**Off Campus Student Services**

http://studentlife.tamu.edu/agoss/

C114 Cain Hall................................. 845-1741
Provides programs and services to all students who live off campus and assists them in connecting to the University and in having a positive off campus living experience. Services and information on the following: apartment & rental property listings, area rental property price lists, Aggie Rents Line - touchtone telephone rental info., residential lease info., renter's insurance, notice to vacate procedures, roommate conflict issues, and utilities information.

**Study Abroad Programs**

http://international.tamu.edu/SAPO

116 Bizzell ................................. 845-0544
Provides students in all fields of study at all levels a wide range of educational experiences abroad. For more information, call or visit their web site.

**Credit By Exam**

http://www.tamu.edu/marshome/

Office of Measurement and Research Services (MARS) 1101 General Services Complex ................ 845-0532
Offered to entering freshmen and currently enrolled undergraduate students. Credit earned by examination satisfies degree requirements, but no grade value is added to the student's GPR.

**LIFE**

http://sec.tamu.edu/life

Leaders in Freshman Engineering (LIFE) is a freshman leadership organization designed to promote leadership skills within the College of Engineering. LIFE is a subcommittee of the Student Engineers Council. It works to develop future leaders through group activities in which the freshmen actively plan and participate in. LIFE also provides a support system where students with common classes and struggles can exchange thoughts and ideas freely. Freshmen form long-lasting friendships through activities such as road trips, service projects, and other social events. One of LIFE's most recognized events is the Final Review, conducted the week before final exams each semester. This event is geared towards all freshmen engineers and provides a complete review of the past semester's classes. It also allows students the chance to socialize during the difficult week in preparation for finals. LIFE provides an excellent opportunity for freshmen engineers to experience the “other education” offered at Texas A&M and to make friends that will last a LIFE time.
Engineering Student Organizations

The student branches of national organizations provide many benefits to their members, some of which include opportunities for: faculty / student interaction, leadership development, social interaction & personal growth, participation in service projects, interaction with corporate representatives, organized corporate plant trips, participation in mentor programs, networking with students who have a common interest, participation in outreach programs, access to organizational test files, and some provide national scholarships for student members. It has become more important to corporate recruiters to find students who have the leadership experience that these student organizations provide. The College encourages all students to become active members of appropriate college level and departmental professional organizations.

College Wide Engineering Student Organizations

*These organizations have some restrictions or certain qualifications for membership.

Engineers Without Borders (EWB)
Advisor: Dr. Jo W. Howze ................. 845-7200

National Society of Black Engineers (NSBE)
Advisor: Dr. Karen Butler-Purry .......... 847-9048

Society of Hispanic Professional Engineers (SHPE)
Advisor: Ms. Myra Gonzalez .......... 458-1572

Society of Mexican Am. Engrs. & Scientists (MAES)
Advisor: Dr. Fidel Fernandez .............. 845-3539

Society of Women Engineers (SWE)
Advisor: Ms. Magdalini Lagoudas....... 845-7200

*Student Engineers’ Council (SEC)
Advisor: Dr. Jo W. Howze ............. 845-7200

*Tau Beta Pi - National Engineering Honor Society
Advisor: Dr. Ray W. James, P.E....... 845-7200

Texas Society of Professional Engineers (TSPE)
Advisor: Dr. Walt Buchanan ............ 845-4901

Theta Tau - Co-ed Professional Engineering Fraternity
Advisor: Dr. Terry Kohutke ............. 845-1967

Departmental Societies and Organizations

Contact the appropriate department or program for information about the following societies and organizations.

AEROSPACE ENGINEERING ......................... 845-7571
* Aerospace Engr. Honor Society ......(Sigma Gamma Tau)
American Institute of Aeronautics & Astronautics .... (AIAA)

BIOLOGICAL & AGRICULTURAL ENGR........ 845-3931
Agricultural Systems Management ............... (AGSM)
American Society of Agricultural Engineers .......... (ASAE)

BIOLOGICAL & AGRICULTURAL ENGR........ 845-3931
American Institute of Aeronautics & Astronautics .... (AIAA)

CIVIL ENGINEERING ......................... 845-7436
American Society of Civil Engineers ............ (ASCE)
American Water Resources Association .......... (AWRA)
* Civil Engineering Honor Society ..........(Omega Chi Epsilon)
Institute of Transportation Engineers ..........(ITE)
National Defense Transportation Associate .... (NDTA)
Structural Engineers Association of Texas .... (SEAoT)
Texas Society of Professional Surveyors ....... (TSPS)

COMPUTER SCIENCE ......................... 845-4087
Association of Computing Machinery .......... (ACM)
* Computer Science Honor Society ......(Upsilon Pi Epsilon)

COMPUTER SCIENCE ......................... 845-4087
Association of Computing Machinery .......... (ACM)
* Computer Science Honor Society ......(Upsilon Pi Epsilon)

ELECTRICAL & COMPUTER ENGINEERING .... 845-7441
* Electrical Engineering Honor Society ......(Eta Kappa Nu)
Institute of Electrical & Electronics Engineers ......(IEEE)

ENGINEERING TECHNOLOGY ................ 845-4951
Am. Society of Mechanical Engineers – Tech...... (ASME)
Communications Society Chapter of IEEE ........ (COMSOC)
* Engineering Technology Honor Society ...... (Tau Alpha Pi)

ENGINEERING TECHNOLOGY ................ 845-4951
Am. Society of Mechanical Engineers – Tech...... (ASME)
Communications Society Chapter of IEEE ........ (COMSOC)
* Engineering Technology Honor Society ...... (Tau Alpha Pi)

Institute of Electronics & Electrical Engrs. – ENTC.... (IEEE)
Institute of Manufacturing Technology ...... (SME)

INDUSTRIAL DISTRIBUTION ..................... 845-4894
* Distribution Honor Society ....... (Sigma Delta)
Professional Association for Industrial Distribution... (PAID)

INDUSTRIAL & SYSTEMS ENGINEERING .... 845-5531
* Industrial Engineering Honor Society ...... (Alpha Pi Mu)
Institute of Industrial Engineers ............. (IIIE)

MECHANICAL ENGINEERING ................... 845-1251
American Society of Mechanical Engineering ...... (ASME)
American Society of Metals ..................... (ASM)
American Society of Nondestructive Testing ...... (ASNT)
American Society of Heating, Refrigerating & Air-Conditioning Engineers . (ASHRAE)
* Mechanical Engineering Honor Society..... (Pi Tau Sigma)
Society of Automotive Engineers ............ (SAE)
Society of Plastics Engineers ............... (SPE)

NUCLEAR ENGINEERING ....................... 845-4161
American Nuclear Society ....................... (ANS)
American Society of Safety Engineers ....... (ASSH)
Health Physics Society ....................... (HPS)
* Nuclear Engineering Honor Society...... (Alpha Nu Sigma)

OCEAN ENGINEERING ......................... 845-4515
Marine Technology Society ............... (MTS)
* Ocean Engineering Honor Society ......(Omega Epsilon)
Society of Naval Architects & Marine Engineers .... (SNAME)

PETROLEUM ENGINEERING .................. 845-2241
* Petroleum Engineering Honor Society ...... (Pi Epsilon Tau)
Society of Petroleum Engineers .............. (SPE)
Calculators and Computers - Technical Recommendations

The recommendations below were compiled by faculty from the departments of Computer Science and Electrical Engineering, with all engineering students in mind.

**Computers**

Although all computing resources necessary for engineering students are available in classrooms and labs on campus, many students find it more convenient to work or check email in their own apartment or dorm room. You may want to look around campus and check with your department to see what facilities and software packages are available before you purchase a new computer. Also, students can buy many software packages at a substantial discount (with proper student identification) from many of the bookstores in town. If you are planning to buy a new computer, you can use the recommendations below as a basic guideline.

**RECOMMENDED** --------------------------------------------

* Hardware:
  - Dual or Quad core (or similar technology) processor at 2.0GHz or more, 64bit capable. No Celeron processors.
  - 4GB RAM
  - 500GB Hard drive
  - Vista compatible with at least 256MB RAM video Card
  - Windows XP, SP3 32 bit Operating System or Vista
  - CD/DVD ±RW (dual layer burner not necessary)
  - 100mbps Network card, wireless optional, recommended if on a notebook
  - USB to serial converter

**MINIMUM** ----------------------------------------------

* Hardware:
  - Dual or Quad core (or similar technology) processor at 2.0GHz or more, 64bit capable. No Celeron processors.
  - 2GB RAM (be sure to only use 2 of 4 slots, if possible, so you can upgrade to 4GB or more in the future if possible)
  - 250GB Hard drive
  - Vista compatible with at least 256MB RAM video Card
  - Windows XP, SP3 32 bit Operating System or Vista
  - CD/DVD ±RW (dual layer burner not necessary)
  - 100mbps Network card, wireless optional, recommended if on a notebook
  - Optional, depending on coursework: USB to serial converter

**Software**

- Microsoft Office

**NOTE:**

1. **Students qualify to purchase various software products through the university's site licenses. Prices are modest. Details are available on the web at:** [http://software.tamu.edu](http://software.tamu.edu) (look under “Product Information and Pricing”)
2. ENGR 111/112 and Calculus classes will use Mat Lab or Maple, or both depending on instructors. It is best to wait until after classes start to decide on these. Also, these are available in many computer labs around campus.
3. Students who wish to purchase Macintosh or Linux computers should contact their department for information about requirements.

**Calculators**

Although calculators are not required for the engineering math sequence of courses, they are highly recommended and are useful resources that students are allowed to use on certain parts of common exams. Sometimes specific calculators are recommended by some MATH instructors, so you should wait until your MATH course begins to purchase a calculator. In absence of a recommendation to purchase a specific calculator, you should purchase a programmable graphing calculator and become proficient in using it. Some representative models popular with engineering students are:

- HP 39gs, HP 48gII, HP 50g
- TI 83, TI 84, TI 89