How long until I graduate?+
There are many variables that impact your graduation timeline such as the number of classes you take each semester, enrollment in summer classes, having to repeat classes, missing prerequisites, etc. To determine a possible graduation timeline, consider the following:
1. How many hours of degree requirements remain?
Using your degree plan, you can add up the hours of all classes that remain to figure out this number. 2. How many hours will you take each semester? Remember that 18 is the maximum for fall/spring, and 15 is the max for summer.
3. Can I complete all necessary prerequisites by taking ___ hours each semester? Using your flowchart, you can make a tentative plan for classes that you will take each semester until graduation to make sure you do not miss any prerequisites.
4. Did I miss anything? Share your plans with your academic advisor to verify that you have made a reasonable plan to meet your graduation goal.

What classes should I take next semester?+
Your flowchart will help you to identify classes which you are eligible to take each semester.
1. Download or print your degree flowchart.
2. Pull up your course history in ORION Student Center > My Academics.
3. On your flowchart, cross off all the classes you have completed and are enrolled in, follow the arrows and circle all your options for next semester.
• CS/ SE majors: prioritize taking courses that are pre-requisites to more CS/ SE courses.
• BMEN/ MECH/ EE/ CE majors: Prioritize taking courses that are listed on or connected to your critical path (thick bold lines on your flowchart).
• After filling out your flowchart, you are always welcome to contact your Academic Advisor to confirm your course selections.

How many hours can I take this semester? Can I get permission to take more?+
18 hours is the max for fall and spring if you are in good academic standing. Freshmen are limited to 16 hours in their first semester. 15 hours is the maximum for summer. For permission to take more, you must already have a strong UTD GPA established and experience taking 14-17 hours per semester. To request permission, complete a max unit waiver form and submit it to your advisor (as of August 2020, you will need to contact your advisor for the form). If approved, your request will be submitted to the associate dean for final approval.

what free electives can I take?+
The degree requirements of every major include the opportunity for elective courses, that is, courses exploring subjects not directly related to a student’s major.

What are guided electives and when should I take them?+

Guided electives are approved courses that allow students to take courses in line with their interests within their major and meet their degree requirements. All ECS degrees require a number of guided electives (also called prescribed electives), and the courses offered vary each term. Students may take guided electives as early as their degree plan allows as long as the prerequisites are met. Check coursebook for a history of which semesters your desired class has been offered in the past.

What do I do if all sections of a class that I want/need are closed?+
If a class is closed, students should complete the following steps:
1. Join the wait list. (Instructions are on: https://www.utdallas.edu/registrar/registration/.)
2. Select a different course. If the course is a core course, guided elective, or free elective, we recommend that you take another class in its place.
3. Inform your advisor of the course closure so that the department is aware.

What is the difference between MATH 2413 and MATH 2417?+
These courses both cover differential calculus. However, MATH 2417 ALSO covers some integral calculus. It therefore moves through the material at a much faster pace than MATH 2413. MATH 2417 is only recommended for students who meet the following criteria: high aptitude in math AND pursuing a degree which requires multivariate calculus (EE, CE, BMEN, MECH)

How do I pair CS 1336 and CS 1136?+
CS 1336/1136 are paired in a specific way. Each section of CS 1336 is paired with a specific CS 1136 class. Thus, depending on the section of CS 1336 you choose, you must select the appropriate section of CS 1136 as indicated in the class notes. Schedule planner does not pair correctly for you, so you must choose the sections manually based on the pairing list provided to you. You may also see each course's specific pair in course description found in CourseBook: https://coursebook.utdallas.edu/

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How do I take the CS placement exam?+

You can take the exam in Elearning using Examity for proctoring. See instructions on how to access the exam here.

How do I make sure I have enough hours for my AES scholarship requirements?+
The AES scholarship requirement says that you need to have 15 hours on average per semester. We can use dual enrollment credits and courses earned by AP credit to help supplement the hours needed for AES. For example: if you are transferring MATH 2413, then you would have 4 hours to use to add to a semester that is under 15 hours.

How do I register/drop a course via email?+
You will need to complete the add/drop form listed here: https://cpb-us-e2.wpmucdn.com/sites.utdallas.edu/dist/e/421/files/2020/08/Fillable-Registration-Form.pdf and email to your assigned academic advisor. Please make sure to include course Prefix and number (i.e CS 1336), section (i.e. 003), and call number (i.e. 85362) so that the specific course(s) are added/dropped

How do I register for classes at UTD when I am taking the prerequisite course(s) off campus?+
You will need to provide proof of enrollment to your assigned academic advisor. An email of the unofficial transcript or advising report listing your information as well as the course information should suffice.

I am searching for a class, and it's not showing up in schedule planner. What do I do?+
The course may have one of two issues:
1. The course is not being offered this semester.
2. The course is currently full. You can make sure that you are searching for all classes, not just courses that are open. If there are sections available to register for the waitlist (indicated by a yellow triangle), you may register for the waitlist. Classes that are completely full will have a blue square.

Is there any way I can take a class if I have not met the prerequisites?+
No. You must have the appropriate prerequisite courses in order to move onto the next course. If you have taken the prerequisite off-campus, contact your assigned advisor with proof of completion.

Can I register for a closed class if the professor gives me permission?+
No. If a class has hit capacity, you will have to wait for a seat to open in order to register.

How does the repeat policy work?+

Repeat policy: Starting Fall 2020, if you made a C or better on the first attempt you can no longer retake the course. The second attempt replaces the first even if the score is not as high as the first attempt. The third attempt you pay out of state tuition and second grade and third grade are averaged together. W's count as an attempt.

How do I register for classes?+
Schedule Planner is your most user-friendly tool for registering for classes. Instructions on how to use schedule planner can be found here. Alternatively, you can also register, swap, and drop classes by clicking the Manage My Classes tile in Orion Student Center. From there review course options with a class search, taking note of the course number for the sections you want, then register for your selection in Add a Class.

When is the last day to register for classes?+
Important registration dates are located on the academic calendar. There are two important dates, the last day of regular registration and late registration. During late registration payment is due the same day you register. Late registration comes with a minimum $100 late registration fee.

How do I swap courses?+
See instructions for swapping courses.

Why am I still on the wait list when the system shows there is 1 seat in the class?+
It can be confusing when you see a seat open in a class but Schedule Planner will not let you add it. The way the system pulls students off the wait list means that there is a short amount of time where it looks like a class is open for enrollment when it really isn't.
Step 1: Class is full.
Step 2: Students are added to the wait list.
Step 3: Student A drops the class.
Step 4: There is 1 seat open in the class for a bit until the wait list is run by the system.
Step 5: The system pulls the first student off the wait list.
Step 6: The system no longer shows an open seat, and the total number on the wait list goes down by 1.
Here are some tips for making sure a seat is really available:
• Use Schedule Planner and not Coursebook. Schedule Planner works in real-time so changes are shown momentarily. Coursebook is updated every few hours, so while it is useful for more detailed information about a particular class, the seat availability may not be correct.
• Review the information for a section to be sure (click the "I" icon) – you can check how many seats total the class has, how many are available, and how many people are on the waitlist. If the number of seats available is less than the number of students on the wait list, then that class isn't really open for general enrollment.

How do I know what credit I will get for my AP scores?+
The UTD Advance Placement (AP) articulation table is located online. The table can be found online at https://oue.utdallas.edu/undergraduate-advising/ap-credit/

What is individual instruction, and how do I sign up?+
Individual instruction is a course that allows you to build your own course with a cooperating instructor. In some cases, these credits can be used for guided elective credit. Complete the Individual Instruction form provided by your academic advisor with your supervising professor. Return the form to your advisor to be enrolled.

I need a class for my SE domain, and there aren't any available. What options do I have?+
SE domain lists are located online. The documents can be found online at here under the "Guided Electives" Section. Each semester the department will release a list of domain substitutions. Email your advisor for a list of approved domain subs. You can also check the advising Facebook page.

I am on probation. How do I register for classes?+
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Adding Courses: lock or favorite a schedule using Schedule Planner. Email your advisor to process your enrollment request. Dropping Courses: email a completed add/drop form to your advisor. Students on probation cannot drop coursework after the first day of classes.

My degree plan lists ECS 3361 or ECS 2361 but that class isn't be offered anymore. What do I do?+
If you started your ECS degree at UT Dallas before Fall 2020, your degree may require ECS 3361 or ECS 2361. However, starting in Fall 2020, that class is no longer being offered. Students will need to substitute the following depending on their major:

Major Required Substitution
Biomedical Engineering Any offered 080 Core from the Undergraduate Catalog
Computer Engineering Any offered 080 Core from the Undergraduate Catalog AND CE 3161 AND CE Elective Lab (2 hour)
Computer Science Any offered 080 Core from the Undergraduate Catalog AND a 3 hour Guided Elective

Electrical Engineering Any offered 080 Core from the Undergraduate Catalog AND EE 3161 AND EE Elective Lab (2 hour)
Mechanical Engineering Any offered 080 Core from the Undergraduate Catalog
Software Engineering Any offered 080 Core from the Undergraduate Catalog AND a 3 hour Guided Elective
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1. Talk to your UTD Academic Advisor about what classes you plan to take off campus. Transfer plans available here will assist you in course selection.
2. Apply for admission to the institution where you wish to take classes and complete all necessary steps for enrollment as required by that institution.
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4. Request an official transcript be sent to UTD upon completion of coursework. Information on how to request a transcript will be available on the institution's website.
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1. Make a request to your exam provider (I.e. College Board) to send an official score report to UTD.
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A. Financial aid – if you petition credits that you do not need for your degree, you may have excessive credits on your record that disqualify you from receiving financial aid. This is because financial aid allows a maximum time frame for degree completion: 125 percent of the hours required to complete the degree program.

B. Texas Tuition Rebate – if you petition credits that you do not need for your degree, you may have excessive credits on your record that disqualify you from receiving a rebate. Review the rebate policy for details.
C. Desire to take the class at UTD – if you want to take the class at UTD even though you have test credit, you should not petition your AP credit due to reasons A and B.

How do I register for classes at UTD when I am taking the prerequisite course(s) off campus?+
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How do I submit a transcript for the course I took off campus?+
You will need to request a transcript from the school's Registrar's office and send it to the UTD Registrar's office. UTD will accept official electronic or sealed transcripts from all colleges and universities previously attended. Physical transcripts should be mailed to the following address:
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I have a "see advisor for degree audit" hold. What should I do?+
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How can Fast Track classes be used on my bachelor's degree?+
Fast Track classes may be used as guided/prescribed electives, free electives, and/or in some cases, substitutions for specific degree requirements (e.g. taking the graduate version of operating systems as a substitute for the undergraduate version)

When do I apply for Fast Track?+
Download the application and submit to your academic advisor during the appropriate application timeframe.
{"SPRING ADMISSION": ["(benchmark courses completed prior to Fall semester)", "Submit application between October 10 and October 21"], "LATE SPRING ADMISSION": ["(completing benchmark courses during Fall semester)", "Submit application after Fall grades have posted Dates TBA"], "SUMMER/FALL ADMISSION": ["(benchmark courses completed prior to Spring semester)", "Submit application between March 10 and March 21"], "LATE SUMMER/ FALL ADMISSION": ["(completing benchmark courses during Spring semester)", "Submit application between May 15 and May 20"]}

I need help choosing Fast Track classes. Where can I get assistance?+
Review the master's degree requirements in the graduate catalog (2020-2021 catalog here). For further assistance with graduate coursework selection, you can speak with a graduate advisor.

Note that the Fast Track application requires you to list out graduate courses, but this list is not binding. You may change your course selections when you petition to actually register for courses.

How do I register for classes?+
Schedule Planner is your most user-friendly tool for registering for classes. Instructions on how to use schedule planner can be found here. Alternatively, you can also register, swap, and drop classes by clicking the Manage My Classes tile in Orion Student Center. From there review course options with a class search, taking note of the course number for the sections you want, then register for your selection in Add a Class.

How do I add a minor?+
1. Review required coursework in catalog to determine how the additional coursework will impact your graduation timeline. Make sure to check for prerequisites as these may add more hours.
2. Talk to your academic advisor about your plans.
3. Establish a GPA of 3.0 or higher at UTD. Additional criteria required for the addition of an ECS minor. See change of major policy
4. Apply for the minor in Orion. For ECS minors, contact your advisor to complete the form.

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Some tests allow students to petition college credit that will not apply towards their specific degree requirements. For example, PHYS 1301 may be petitioned with satisfactory AP scores in AP Physics 1. However, ECS majors must take a higher level physics and therefore may not use PHYS 1301 on their degrees. Students should avoid petitioning these classes. An academic advisor can help you to identify any such test credits.
Reasons NOT to petition select test credits:
A. Financial aid – if you petition credits that you do not need for your degree, you may have excessive credits on your record that disqualify you from receiving financial aid. This is because financial aid allows a maximum time frame for degree completion: 125 percent of the hours required to complete the degree program. You can read more here.

B. Texas Tuition Rebate – if you petition credits that you do not need for your degree, you may have excessive credits on your record that disqualify you from receiving a rebate. Review the rebate policy for details.
C. Desire to take the class at UTD – if you want to take the class at UTD even though you have test credit, you should not petition your AP credit due to reasons A and B.

How many hours can I take this semester? Can I get permission to take more?+
18 hours is the max for fall and spring if you are in good academic standing. Freshmen are limited to 16 hours in their first semester. 15 hours is the maximum for summer. For permission to take more, you must already have a strong UTD GPA established and experience taking 14-17 hours per semester. To request permission, complete a max unit waiver form and submit it to your advisor (as of August 2020, you will need to contact your advisor for the form). If approved, your request will be submitted to the associate dean for final approval.

I need to get readmitted to UTD after I was suspended. What steps do I need to take?+
1. Create a readmission plan with an assistant director by making an appointment with Irene Marroquin (CS, SE, CE, EE) or Tanisha Edwards (BMEN, MECH).
2. Locate an institution that offers the courses on your readmission plan and apply for admission.
3. Confirm that the courses you have selected will transfer to UTD as intended by contacting your UTD academic advisor. A TCEP may be needed.
4. Take courses off campus according to the plan. Make the required grades specified on readmission plan.
5. Meet with an academic advisor to complete readmission paperwork.

What is the difference between MATH 2413 and MATH 2417?+
These courses both cover differential calculus. However, MATH 2417 ALSO covers some integral calculus. It therefore moves through the material at a much faster pace than MATH 2413. MATH 2417 is only recommended for students who meet the following criteria: high aptitude in math AND pursuing a degree which requires multivariate calculus (EE, CE, BMEN, MECH)

How do I pair CS 1336 and CS 1136?+
CS 1336/1136 are paired in a specific way. Each section of CS 1336 is paired with a specific CS 1136 class. Thus, depending on the section of CS 1336 you choose, you must select the appropriate section of CS 1136 as indicated in the class notes. Schedule planner does not pair correctly for you, so you must choose the sections manually based on the pairing list provided to you. You may also see each course's specific pair in course description found in CourseBook: https://coursebook.utdallas.edu/

How do I take the CS placement exam?+
The Computer Science Placement Test is administered by the UT Dallas Texting center. Please refer to their website for information: https://ets.utdallas.edu/testing-center

How do I make sure I have enough hours for my AES scholarship requirements?+
The AES scholarship requirement says that you need to have 15 hours on average per semester. We can use dual enrollment credits and courses earned by AP credit to help supplement the hours needed for AES. For example: if you are transferring MATH 2413, then you would have 4 hours to use to add to a semester that is under 15 hours.

Why isn't my AP credit showing up in the system?+
AP credit is missing because either UTD has not received an official score report yet OR the test credit has not yet been petitioned. Freshmen will petition for credit in the fall semester during their ECS 1100 class. All other students must request the petitioning of AP credits through their academic advisor.

How do I register for classes?+
Schedule Planner is your most user-friendly tool for registering for classes. Instructions on how to use schedule planner can be found here. Alternatively, you can also register, swap, and drop classes by clicking the Manage My Classes tile in Orion Student Center. From there review course options with a class search, taking note of the course number for the sections you want, then register for your selection in Add a Class.

What score do I need on the ALEKS exam and when should I take it?+
A score of 80 or higher is ideal. This allows you to take calculus in your first semester and to start on track for a 4-year graduation timeline. You must make a 50 or better in order to be placed in a math class. Complete your first attempt at least 1 week before your orientation date. Remember that you have the option to retest!

How do I swap courses?+
Instructions can be found here:
https://cpb-us-e2.wpmucdn.com/sites.utdallas.edu/dist/e/421/files/2020/08/SwapClassInstructions.pdf

How do I declare being pre-med? What are the requirements/who do I contact?+
Pre-med is not a formal designation at UTD. However, it is an indication of your future plans, and we want to help support you in that endeavor!

Health Professions Advising is an academic resource for all students interested in any future health profession (including medical, pharmacy, PA, and more). They can assist with health career options, recommended courses/majors, assist with applications, and more.
• To get started, download the Pre-Health Starter Kit. After reviewing this information, contact your assigned advisor to notify them of your intention to pursue pre-med: your advisor will help you build schedules that fit both your major and pre-med classes.

How do I know what credit I will get for my AP scores?+
The UTD Advance Placement (AP) articulation table is located online. The table can be found online here.

How do I register for classes?+
Schedule Planner is your most user-friendly tool for registering for classes. Instructions on how to use schedule planner can be found here. Alternatively, you can also register, swap, and drop classes by clicking the Manage My Classes tile in Orion Student Center. From there review course options with a class search, taking note of the course number for the sections you want, then register for your selection in Add a Class.

How do I add a minor?+
1. Review required coursework in catalog to determine how the additional coursework will impact your graduation timeline. Make sure to check for prerequisites as these may add more hours.
2. Talk to your academic advisor about your plans.
3. Establish a GPA of 3.0 or higher at UTD. Additional criteria required for the addition of an ECS minor. See change of major policy
4. Apply for the minor in Orion. For ECS minors, contact your advisor to complete the form.

How do I claim IB/AP/CLEP credit?+
1. Make a request to your exam provider (I.e. College Board) to send an official score report to UTD.
2. Check your UTD email for a notification that your scores were received by UTD.
3. Contact your academic advisor to petition your credits. NOTE: Freshmen do not need to contact their advisors because petitioning of test credits will be completed as a part of their ECS 1100 class in their first semester.

What classes should I take next semester?+
Your flowchart will help you to identify classes which you are eligible to take each semester.
1. Download or print your degree flowchart.

2. Pull up your course history in ORION Student Center > My Academics.
3. On your flowchart, cross off all the classes you have completed and are enrolled in, follow the arrows and circle all your options for next semester.
• CS/ SE majors: prioritize taking courses that are pre-requisites to more CS/ SE courses.
• BMEN/ MECH/ EE/ CE majors: Prioritize taking courses that are listed on or connected to your critical path (thick bold lines on your flowchart).
• After filling out your flowchart, you are always welcome to contact your Academic Advisor to confirm your course selections.

I have a “see advisor for degree audit” hold. What should I do?+
First, check your email for correspondence from your advisor. If you have not received an email, reach out to your academic advisor to complete your degree audit. Students in good academic standing (GPA above 2.000) may be able to complete their 45-hour audit online. Students in need of a 75-hour audit must schedule an appointment to meet with their assigned advisor.

Can I get credit for my internship?+
Students enrolled in the internship course may use the course as free elective credit in their degree plan. To enroll in the internship course, reach out to your assigned IPP coordinator.

What free electives can I take?+
The degree requirements of every major include the opportunity for elective courses, that is, courses exploring subjects not directly related to a student’s major.

What are guided electives and when should I take them?+
Guided electives are approved courses that allow students to take courses in line with their interests within their major and meet their degree requirements. All ECS degrees require a number of guided electives (also called prescribed electives), and the courses offered vary each term. Students may take guided electives as early as their degree plan allows as long as the prerequisites are met. Check coursebook for a history of which semesters your desired class has been offered in the past.

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Health Professions Advising is an academic resource for all students interested in any future health profession (including medical, pharmacy, PA, and more). They can assist with health career options, recommended courses/majors, assist with applications, and more.
• To get started, download the Pre-Health Starter Kit. After reviewing this information, contact your assigned advisor to notify them of your intention to pursue pre-med: your advisor will help you build schedules that fit both your major and pre-med classes.

How long until I graduate?+
There are many variables that impact your graduation timeline such as the number of classes you take each semester, enrollment in summer classes, having to repeat classes, missing prerequisites, etc. To determine a possible graduation timeline, consider the following:
1. How many hours of degree requirements remain?
Using your degree plan, you can add up the hours of all classes that remain to figure out this number. 2. How many hours will you take each semester? Remember that 18 is the maximum for fall/spring, and 15 is the max for summer.
3. Can I complete all necessary prerequisites by taking ___ hours each semester? Using your flowchart, you can make a tentative plan for classes that you will take each semester until graduation to make sure you do not miss any prerequisites.
4. Did I miss anything? Share your plans with your academic advisor to verify that you have made a reasonable plan to meet your graduation goal.

How many hours can I take this semester? Can I get permission to take more?+
18 hours is the max for fall and spring if you are in good academic standing. Freshmen are limited to 16 hours in their first semester. 15 hours is the maximum for summer. For permission to take more, you must already have a strong UTD GPA established and experience taking 14-17 hours per semester. To request permission, complete a max unit waiver form and submit it to your advisor (as of August 2020, you will need to contact your advisor for the form). If approved, your request will be submitted to the associate dean for final approval.

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How do I apply for graduation?+
You must email your assigned academic advisor to request a graduation audit (link to request a graduation audit coming soon!). They will make sure that you have satisfied all of your degree requirements and open up your graduation application if everything looks correct. If not, your assigned advisor will reach out with further instruction.

I need a class for my SE domain, and there aren't any available. What options do I have?+
SE domain lists are located online. The documents can be found online at here under the "Guided Electives" Section. Each semester the department will release a list of domain substitutions. Email your advisor for a list of approved domain subs. You can also check the advising Facebook page.

How do I take courses off campus and transfer them to UTD?+
1. Talk to your UTD Academic Advisor about what classes you plan to take off campus. Transfer plans available here will assist you in course selection.
2. Apply for admission to the institution where you wish to take classes and complete all necessary steps for enrollment as required by that institution.
3. Send proof of enrollment (a receipt, class schedule, advising report, or unofficial transcript) to your UTD advisor if the course is a prerequisite to other classes you will take at UTD. This will allow you to register for classes at UTD in an upcoming term while prerequisites are in progress at another institution.
4. Request an official transcript be sent to UTD upon completion of coursework. Information on how to request a transcript will be available on the institution's website.

I want to study abroad. What steps do I need to take?+
Familiarize yourself with the requirements of studying abroad on the UTD Programs Abroad website including the comets abroad portal.

Schedule a time to meet with a study abroad advisor to go over the process with you. They will be helping you through much of the process. Also meet with your academic advisor to discuss coursework transfer and how a semester away might impact your degree completion and graduation timeline.

We are available by email and by appointment scheduled through Microsoft Bookings (please see advisor page for individual links).
All virtual appointments will be held using Microsoft Teams.

Persons with disabilities may submit a request for accommodations to participate in any virtual appointments or live events at UT Dallas' ADA website. You may also call (972) 883-5331 for assistance or send an email to ADACoordinator@utdallas.edu. All Requests should be received no later than 2 business days prior to the event.

Please email all registration requests to ecs_registration@utdallas.edu.

Advisors for Biomedical Engineering

First Letters of Your Last Name	Your Assigned Advisor
A – Hf	TaShala Webster
Hg – P	Nasreen Hasan
Q – Z	Anna Cortez

Anna Cortez
Academic Advisor II
(Q – Z)
ECSS 2.718
972-883-4244

Nasreen Hasan
Academic Advisor II
(Hg – P)
ECSS 2.718
972-883-3988

TaShala Webster
Academic Advisor II
(A-Hf)
ECSS 2.709
972-883-6541

Advisors for Computer Engineering And Electrical Engineering

First Letters of Your Last Name	Your Assigned Advisor
A – L	Stacey Moran
M – Z	Leah Edwards

Stacey Moran
Academic Advisor II
(A – L)
ECSS 2.715
972-883-2167

Leah Edwards
Academic Advisor II
(M – Z)
ECSS 2.502
972-883-6867

Advisors for Computer Science and Software Engineering

First Letters of Your Last Name	Your Assigned Advisor
A – Az	Stacey Moran
B – Ce	Leah Edwards
Cf – Do	Crystal Favors
Dp – Gn	Michael Scarrell
Go – Ho	Abraham Taha
Hp – I	Crystal Favors
J – Kh	Kanika Thompson
Ki – M	Michael Scarrell
N – Pl	Crystal Favors (lead)
Pm – St	Abraham Taha
Su – Z	Kanika Thompson

Stacey Moran
Academic Advisor II
(A – Az)
ECSS 2.715
972-883-2167

Leah Edwards
Academic Advisor II
(B – Ce)

ECSS 2.502
972-883-6867

Michael Scarrell
Academic Advisor II
(Dp – Gn, Ki – M)
ECSS 2.708
972-883-7317

Crystal Favors
Academic Advisor III
(Cf – Do, Hp – I,N – Pl)
ECSS 2.714
972-883-2003

Kanika Thompson
Academic Advisor II
(J – Kh, Su – Z)
ECSS 2.502
972-883-6550

Abraham Taha
Academic Advisor II
(Go-Ho, Pm-St)
ECS 2.502
972-883-6539

Advisors for Mechanical Engineering

First Letters of Your Last Name	Your Assigned Advisor
A – Hf	TaShala Webster
Hg – P	Nasreen Hasan
Q – Z	Anna Cortez

Anna Cortez
Academic Advisor II
(Q – Z)
ECSS 2.718
972-883-4244

Nasreen Hasan
Academic Advisor II
(Hg – P)
ECSS 2.718
972-883-3988

TaShala Webster
Academic Advisor II
(A-Hf)
ECSS 2.709
972-883-6541

Advisors for Readmission, Academic Recovery, Second Baccalaureate Degree and General Advising
Irene Marroquin
Director
ECSS 2.802
972-883-6846

Other Staff
Becky Bales
Staff in training

Leah Edwards
Staff in training

Heidi Lozano
Staff in training

Faculty Advisors

Faculty Advisors are now available to assist students with career questions.

<u>What could you discuss with a Faculty Advisor?</u>

1. What is the difference between the ECS programs?
2. How does my choice of program affect my career and job opportunities?
3. What electives should I take to make my education more rounded?
4. If I want to work toward a senior design project, what are my options?
5. What are my options for independent study?
6. How do I contact a professor?
7. How can I get some practical work experience?
8. How do I best prepare for graduate school?
9. What are the advantages to me in terms of my objectives?
10. How do I decide on a career?
11. What type of jobs should I expect to find in my major when I graduate?
12. What additional resources does the University offer?

Administrative Leadership

Dr. Amy Walker

Associate Dean for Undergraduate Education

972-883-2809

Dr. Stephen Crynes

Assistant Dean for Student Success\

972-883-5783

Irene Marroquin

Director

ECSS 2.802

972-883-6846

Carina Legorreta

Administrative Assistant II

ECSS 2.511

972-883-2422

Mechanical Engineering Help:

OUGA Advisors: These are staff members in the Office of Undergraduate Advising (OUGA). These advisors are available to help with any matters related to your degree plan, course registration, transfer credit, prerequisites, graduation, etc. We encourage you to see them not only for registration, but also at any time that you have a question or concern related to your academic progress, including degree plan. The OUGA Advisors designated for ME are located in the Office of Undergraduate Advising. Appointments can be made using the Genbook system, or at the OUGA front desk (when regular campus hours resume). Visit the website to confirm your specific advisor, who is assigned according to your last name. ME Faculty Advisors: These are ME faculty members who are available to help you with questions related to careers, professional issues, graduate school, etc. In addition, the faculty advisors can answer questions about the content of ME courses and help you select electives that best match your interests. The ME faculty advisors are listed below. Appointments can be made by contacting Jennifer Klunk (UG Program Administrator, ECSW 2.140E | 972-883-3525). She is available to help with all general undergraduate program needs. Please note that the purpose in clarifying the roles of OUGA Advisors and ME Faculty Advisors is to help students get correct answers to their questions and concerns in a timely fashion. Most often, student issues involve academic matters (e.g., prerequisites, registration problems, etc.)

that are most efficiently addressed by their OUGA Advisor. Therefore, to provide you with consistent, timely assistance on academic matters, the department asks that you follow the procedure outlined below: 1. Contact your OUGA advisor. It is not recommended that you directly contact a faculty member or the department administration. If you do so, these individuals are going to refer you to your OUGA advisor. 2. Your OUGA advisor will review your case and determine what steps are necessary to address your question or problem. 3. If your OUGA advisor determines that it is necessary, the OUGA advising office will contact the ME faculty advisor or administration for assistance. 4. Your OUGA advisor will communicate the response/recommendation to you. 5. If, after you have completed this process, you have questions or concerns, please contact Jennifer Klunk to request an appointment with a faculty advisor. If you have any other issues that you would like assistance with that are outside the scope of the OUGA Advisors or the ME Faculty Advisors, please contact Jennifer Klunk and she will be glad to help you.

Jennifer Klunk Undergraduate Program Administrator (972) 883-3525 |ECSW 2.140E jennifer.klunk@utdallas.edu

Arif Malik Associate Department Head for Undergraduate Programs (972) 883-4550 | ECSW 3.150B arif.malik@utdallas.edu

Robert Hart ME Faculty Advisor (972) 883-4225 |ECSW 2.150A robert.hart@utdallas.edu

Dani Fadda ME Faculty Advisor (972) 883-4626 | ECSW 2.150C fadda@utdallas.edu

Hui Ouyang ME Faculty Advisor 972-883-3584 | 2.150F hui.ouyang@utdallas.edu

Wooram Park ME Faculty Advisor (972) 883-4625 |ECSW 2.150B wooram.park@utdallas.edu

Biomedical Engineering Advisors for Freshman

Dr. Heather Hayenga Dr. Shashank Sirsi heather.hayenga@utdallas.edu (972) 883-3558

Dr. Shashank Sirsi shashank.sirsi@utdallas.edu (972) 883-4939

Dr. Leonidas Bleris bleris@utdallas.edu (972) 883-5785

Biomedical Engineering Advisors for Sophomore

Dr. Yichen Ding yichen.ding@utdallas.edu (972) 883-3558

Dr. Kenneth Hoyt kenneth.hoyt@utdallas.edu (972) 883-4958

Dr. Seth Hays seth.hays@utdallas.edu (972) 883-5236

Biomedical Engineering Advisors for Juniors

Dr. Baowei Fei bfei@utdallas.edu (972) 883-7239

Dr. Danieli Rodrigues danieli@utdallas.edu (972) 883-4703

Dr. Caroline Jones caroline.jones@utdallas.edu

Biomedical Engineering Advisors for Seniors

Dr. Victor Varner vdv@utdallas.edu (972) 883-7203

Dr. Jacopo Ferruzzi jacopo.ferruzzi@utdallas.edu.

Dr. Girgis Obaid girgis.obaid@utdallas.edu

Advisors for everything else

Computer Engineering/Electrical Engineering

Advisor: Dr. Randall Lehmann Email: Randall.Lehmann@utdallas.edu

Advisor: Dr. Marco Tacca Email: MTacca@utdallas.edu

Computer Science/Software Engineering

Advisor: Dr. Mehra Borazjany Email: mehra@utdallas.edu

Bachelor of Science in Biomedical Engineering

Biomedical engineering is the application of engineering principles and methods to define and solve problems in medicine and biology. Students choose the biomedical engineering field to be of service to people, for the challenge of working with living systems and to apply advanced technology to healthcare delivery.

Biomedical Engineering at UT Dallas

A degree in biomedical engineering provides students with a strong foundation in engineering, mathematics, chemistry and biology and teaches them how to solve complex engineering problems in medicine. Rigorous lecture courses provide students the knowledge necessary to succeed in biomedical engineering careers, medical school and graduate school. Laboratory courses engage students to solve complex biomedical engineering problems, communicate effectively and work in complex and dynamic teams.

Engineering education requires strong high school preparation. Students interested in a biomedical engineering path should have at least one semester of trigonometry and at least one year each of elementary algebra, intermediate and advanced algebra, plane geometry, chemistry and physics, to develop their competencies to the highest possible levels to prepare them to move into demanding college courses in calculus, calculus-based physics and chemistry for science majors. It's also essential that students have the competence to read and comprehend rapidly, and to write clearly and correctly.

The Jonsson School operates one of the largest internship and cooperative education programs of its kind, averaging more than 1,200 undergraduate and graduate student placements a year at Dallas-area high-tech companies, including Texas Instruments, Intel, Raytheon, Alcatel-Lucent and IBM.

A career in biomedical engineering offers the opportunity to work in an exciting and rapidly changing technical world while directly impacting the quality of life for millions suffering from a host of medical conditions. Biomedical engineers connect teams of clinicians, researchers, and traditional engineers to translate patient needs into engineering solutions.

Careers in Biomedical Engineering

Satisfying biomedical engineering careers can be found in industrial, healthcare, academic and government settings. The typical biomedical engineer will work in a team environment that may include engineers, clinicians and specialists in both the physical sciences and the life sciences.

Marketable Skills

Review the marketable skills for this academic program.

About the School of Engineering and Computer Science

The Jonsson School is strategically located in the Telecom Corridor, home of the second-largest high-tech economy in the U.S. The School recently completed a major public-private initiative that greatly expanded its capabilities, including construction of a new state-of-the art 220,000-square-foot interdisciplinary research building, and recently opened a

200,000-square-foot engineering building. With more than 165 tenured/tenure-track faculty members, 7,400 students, and $53 million in research funding, the Jonsson School has six academic departments:

Bioengineering

Computer Engineering

Computer Science

Materials Science and Engineering

Mechanical Engineering

Systems Engineering

The school also offers a minor in nanoscience and technology.

Degrees Offered

Bachelor of Science: Biomedical engineering, computer engineering, computer science, electrical engineering, mechanical engineering, software engineering

Master of Science: Biomedical engineering, computer engineering, computer science, electrical engineering, materials science and engineering, mechanical engineering, software engineering, systems engineering and management*, telecommunications engineering

Doctor of Philosophy: Biomedical engineering, computer science, electrical engineering, materials science and engineering, mechanical engineering, software engineering, systems engineering and management, telecommunications engineering

*Joint program between Jindal School of Management and Erik Jonsson School of Engineering and Computer Science.

**Joint program between the Naveen Jindal School of Management and Erik Jonsson School of Engineering and Computer Science.

Research

Research efforts underway at the school involve such cutting-edge technology as:

Medical imaging.

Speech recognition.

Materials characterization.

Cochlear implant technology.

Cybersecurity.

Organic electronics.

Physical, chemical and biosensors.

Wireless networking.

Carbon nanotubes.

Micro-electromechanical systems.

Semiconductor design.

Additional Facts

The Jonsson School's recent growth surge has helped propel its undergraduate programs into U.S. News & World Report's annual rankings of the nation's top schools of engineering.

The school's graduate program has continued its rise through the national U.S. News rankings, now placing among the top 25 public university graduate programs and ranking third in Texas.

The Jonsson School has significantly increased the size of its faculty in recent years, hiring top recent graduates of Stanford University, Cornell University, Purdue University, Georgia Tech and UCLA, as well as seasoned professionals from Rutgers University, University of Southern California, University of California, Davis, Sandia National Laboratories, Freescale Semiconductor and Texas Instruments.

The Jonsson School features a variety of student organizations that are actively involved in both academic and social activities. Completely student-run, these include the Association for Computing Machinery, the Game Development Group, the National Society of Black Engineers, a chapter of the scientific research society Sigma Xi, the Society of Hispanic Professional Engineers and the Society of Women Engineers.

The Fast-Track Program enables exceptionally gifted undergraduate students to include up to 15 hours of master's level courses in their undergraduate degree plans. When Fast-Track students graduate with a bachelor's degree, they are automatically admitted to graduate school at UT Dallas. The hours required to complete the master's degree are reduced by up to 15 hours by the number of Fast-Track graduate hours completed.

Bachelor of Science in Computer Engineering

Computer engineering combines some of the thought-provoking aspects of computer science and electrical engineering. Computer engineers are particularly important today because embedded systems, which integrate hardware and software, are increasingly common in robotics, cellphones, computer-controlled platforms and elsewhere. Computer engineers are knowledgeable about both hardware and software, so, in particular, they're in high demand wherever embedded systems are used.

Computer Engineering at UT Dallas

The CE curriculum is centered on system-level design, computer architecture and computer programming applications. This includes circuits and devices, computer systems and engineering software systems. The CE program also encourages students and faculty to develop synergies with disciplines outside of engineering such as the life sciences. CE faculty members are actively involved in advanced research and teaching in all major areas of computer engineering, and the school has a large infrastructure of computing and laboratory resources.

Engineering education requires strong high school preparation. Students interested in a computer engineering path should have at least one semester of trigonometry and at least one year each of elementary algebra, intermediate and advanced algebra, plane geometry, chemistry and physics, to develop their competencies to the highest possible levels to prepare them to move into demanding college courses in calculus, calculus-based physics and

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Careers in Computer Engineering

CE concerns the design, construction, implementation and maintenance of software and hardware components of modern computing systems and computer-controlled equipment. Computer engineers work with systems in a wide range of products, including vehicular control systems, wearable devices, biomedical systems and a wide range of household devices. Computer engineers design computer systems and components, develop and test prototypes and help take them to market. Having evolved over the past three decades as a separate discipline, CE is solidly grounded in theories and principles of computing, mathematics, algorithms, science and engineering, and it applies these theories and principles to solve technical problems through the design of computer hardware, software, networks and processes.

Marketable Skills

Review the marketable skills for this academic program.

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Cybersecurity.

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Physical, chemical and biosensors.

Wireless networking.

Carbon nanotubes.

Micro-electromechanical systems.

Semiconductor design.

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The Jonsson School has significantly increased the size of its faculty in recent years, hiring top recent graduates of Stanford University, Cornell University, Purdue University, Georgia Tech and UCLA, as well as seasoned professionals from Rutgers University, University of Southern California, University of California, Davis, Sandia National Laboratories, Freescale Semiconductor and Texas Instruments.

The Jonsson School features a variety of student organizations that are actively involved in both academic and social activities. Completely student-run, these include the Association for Computing Machinery, the Game Development Group, the National Society of Black Engineers,

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Bachelor of Science in Computer Science

A computer science degree not only prepares students to design and build software but also provides them with the skills to address broad issues such as developing innovative ways to send data over networks. Training in computer science also enables students to work as part of a team in a vast number of areas, including robotics, computer vision and digital forensics.

Computer Science at UT Dallas

One of the largest departments of its kind in the country, the Computer Science Department at UT Dallas features an internationally recognized faculty, more than 2,800 students and a 150,000-square-foot building with modern classrooms and cutting-edge laboratories.

The core of the bachelor's degree curriculum in computer science includes programming methodologies, the analysis of algorithms and data structures and the study of operating systems. The curriculum continues with courses in advanced data structures, programming languages and automata theory, culminating in a challenging project course in which students demonstrate the use of computer science techniques. We also offer a rich choice of application areas, including digital systems design, computer networks, virtual reality, machine learning, embedded systems, computer imaging, artificial intelligence, cognitive modeling and human computer interaction.

The Erik Jonsson School operates one of the largest internship and cooperative education programs of its kind, averaging more than 2,800 undergraduate and graduate student placements a year at Dallas-area high-tech companies, including State Farm, Lockheed Martin, AT&T, Fujitsu Laboratories of America, Samsung Electronics, Cisco, Texas Instruments, Intel, Raytheon and IBM.

Computer science requires strong high school preparation. A minimum of elementary algebra and geometry should be completed, while trigonometry, calculus, physics and chemistry are highly recommended. Any Advanced Placement courses in computer science or advanced technology are highly beneficial. Solid communication skills are essential since most computer science professionals work as part of a team.

Careers in Computer Science

You'll find computer science careers in virtually every industry, from finance to Web design to software development. Computer scientists work on data security, data mining, computer graphics, artificial intelligence, machine learning, virtual reality, game design, animation and biotechnology. What all these computer science careers have in common is the foundation in discrete mathematics. Our curriculum provides this foundation at the start, and we build upon it with an ample selection of courses in the core areas of the discipline.

Marketable Skills

Review the marketable skills for this academic program.

About the School of Engineering and Computer Science

The Jonsson School is strategically located in the Telecom Corridor, home of the second-largest high-tech economy in the U.S. The School recently completed a major public-private initiative that greatly expanded its capabilities, including construction of a new state-of-the art 220,000-square-foot interdisciplinary research building, and recently opened a 200,000-square-foot engineering building. With more than 165 tenured/tenure-track faculty members, 7,400 students, and $53 million in research funding, the Jonsson School has six academic departments:

Bioengineering

Computer engineering

Computer science

Materials science and engineering

Mechanical engineering

Systems engineering

The school also offers a minor in nanoscience and technology.

Degrees Offered

Bachelor of Science: Biomedical engineering, computer engineering, computer science, electrical engineering, mechanical engineering, software engineering

Master of Science: Biomedical engineering, computer engineering, computer science, electrical engineering, materials science and engineering, mechanical engineering, software engineering, systems engineering and management*, telecommunications engineering

Doctor of Philosophy: Biomedical engineering, computer science, electrical engineering, materials science and engineering, mechanical engineering, software engineering, systems engineering and management, telecommunications engineering

*Joint program between Jindal School of Management and Erik Jonsson School of Engineering and Computer Science.

**Joint program between the Naveen Jindal School of Management and Erik Jonsson School of Engineering and Computer Science.

Research

Research efforts underway at the school involve such cutting-edge technology as:

Medical imaging.

Speech recognition.

Materials characterization.

Cochlear implant technology.

Cybersecurity.

Organic electronics.

Physical, chemical and biosensors.

Wireless networking.

Carbon nanotubes.

Micro-electromechanical systems.

Semiconductor design.

Additional Facts

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Bachelor of Science in Electrical Engineering

Electrical engineering is one of the most popular fields in engineering, covering everything related to electrical and electronic devices and circuits, including computing devices, cell phones, displays, etc.; telecommunications networks that circle the globe, electronic controls that coordinate complex systems in factories, cars and commercial aircraft as well as all power and energy systems.

Electrical Engineering at UT Dallas

The electrical engineering program provides a solid foundation in electrical networks, electronics, electro-magnetics, computing and communications. Mastery of these areas provides students with the ability to thrive and adapt in their careers. Students may take advanced courses in computer hardware and software, analog and digital communication systems, analog and digital signal processing, micro-electronic components and systems, as wells as power and energy systems.

The Jonsson School also offers a wide choice of electives, emphasizes the importance of communication skills and seeks to heighten awareness of the relationship between technology and society. Students must take 128 hours to graduate, including 42 hours from the University's core curriculum and 76 hours in the major. All lower-division students concentrate on mathematics, science and introductory engineering courses, building competence in these cornerstone areas for future application in upper-division engineering courses.

Engineering education requires strong high school preparation. Pre-engineering students should take at least one semester in trigonometry and one year each in elementary algebra, intermediate and advanced algebra, plane geometry, chemistry and physics, thus preparing to move immediately into college courses in calculus, calculus-based physics and chemistry for science majors. Students also should be able to read well and with comprehension, and to write clearly and correctly.

The Jonsson School operates one of the largest internship and cooperative education programs of its kind, averaging more than 1,200 undergraduate and graduate student placements a year

at Dallas-area high-tech companies, including Texas Instruments, Intel, Raytheon, Alcatel-Lucent and IBM.

Careers in Electrical Engineering

Electrical engineers design, develop and test a wide range of electronic systems, including microelectronics, electric motors, robotics systems, biomedical systems, automotive electronics and navigation systems. Careers are available in virtually every industry including consumer electronics and semiconductor industries as well as in academia, government and the military.

Marketable Skills

Review the marketable skills for this academic program.

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Bachelor of Science in Mechanical Engineering

Mechanical engineering is a diverse and popular field of engineering. It involves the analysis, design, manufacturing and operation of mechanical and thermal systems. Mechanical engineers are versatile because of their ability to design and build a wide array of products and systems in many industries.

Mechanical Engineering at UT Dallas

The mechanical engineering curriculum is expressly tailored to the needs of the modern mechanical engineer, and includes elective courses in topics such as wind energy, microelectromechanical systems and nanostructure materials.

Students take 127 hours to graduate, including 42 hours from the University's core curriculum and 79 hours in the major. Lower-division courses concentrate on math, science, and introductory engineering courses; building competence in these cornerstone areas for future application in upper-division engineering courses. Upper-division coursework covers fundamental areas of mechanical engineering: dynamic systems and controls, thermal fluid systems, manufacturing and design innovation, and mechanics and materials. A two-semester, team-based capstone project, completed in the senior year, gives students an opportunity to apply the knowledge and skills acquired in their previous coursework to a realistic engineering project which they manage from beginning to end.

Identify, formulate, and solve electrical engineering problems.

Engineering education requires strong high school preparation. Pre-engineering students should take at least one semester in trigonometry and one year each in elementary algebra, intermediate and advanced algebra, plane geometry, chemistry and physics; this background makes it possible to move immediately into demanding college courses in calculus, calculus-based physics and chemistry for science majors. Students also should be able to read rapidly and with comprehension, and to write clearly and correctly.

Gaining experience in engineering practice is an important component of a well-rounded education. The Jonsson School operates a successful internship program that averages more than 1,000 undergraduate and graduate student placements a year at Dallas-area companies. A dedicated staff in the Industrial Practice Programs (IPP) office is available to help students find and prepare for internship opportunities.

Careers in Mechanical Engineering

Industries employing mechanical engineers include automotive, aircraft, heating and air conditioning, power generation, oil and gas, manufacturing, defense/military, medical devices, nanotechnology and many others. The mechanical engineering department diligently works with representatives of many local companies to align our program with the demands of industry. Our students are prepared for internships, employment or graduate education.

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Bachelor of Science in Software Engineering

Software engineering is a young profession that has become vital to our society. Industries, services, health care, finance, security, education and the government depend on software assets and services. Relying on computer science, engineering and mathematics, software

engineering provides principles and processes that help developers produce high-quality software that is safe, secure and reliable.

Software Engineering at UT Dallas

The software engineering program is part of the University's Department of Computer Science, which features an internationally recognized faculty with more than 2,800 students and a 150,000-square-foot building with modern classrooms and cutting-edge laboratories.

Like the BS degree in computer science, the BS in software engineering is based on a mathematical foundation that includes calculus, linear algebra and discrete mathematics. The two programs also have the same computer science core, including modern programming methodologies, the analysis of algorithms and data structures, and the study of operating systems. While the computer science program continues with courses in advanced data structures, programming languages and automata theory, the software engineering program includes courses in engineering, software validation and testing, and software architecture. There is also a rich choice of application areas, including digital systems design, computer networks, embedded systems, computer imaging, artificial intelligence, machine learning and human-computer interaction.

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Software engineering requires strong high school preparation. A minimum of elementary algebra and geometry should be completed, while trigonometry, calculus, physics and chemistry are highly recommended. Any Advanced Placement courses in computer science or advanced technology are highly beneficial, and solid communication skills are very important.

Careers in Software Engineering

Virtually all major companies and corporations need software-related core competencies. Software engineers are central in developing and making use of these competencies. They work in teams that interface extensively with clients, company executives, IT managers, data scientists, and security and domain experts. Software engineering professionals are creative,

highly collaborative, well paid and in very high demand with employers. Software engineering graduates embark on career paths that may lead to positions as chief strategy officer, project manager, chief technology officer, software architect, senior manager of software development, risk management officer and security analyst.

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ECS Leadership

Dr. Stephanie G. Adams

Dean, Jonsson School

Lars Magnus Ericsson Chair

972-883-2974

Dr. Poras T. Balsara

Vice Dean, Jonsson School

972-883-2557

Department Heads

Dr. Dinesh Bhatia

Interim Co-Head,

Electrical and Computer Engineering

972-883-2386

Dr. Ovidiu Daescu

Head, Computer Science

Jonsson School Chair

972-883-4196

Dr. Rashaunda Henderson

Interim Co-Head,

Electrical and Computer Engineering

Fellow, Eugene McDermott Professor

972-883-6454

Dr. Shalini Prasad

Head, Bioengineering

Cecil H. and Ida Green Professor in Systems Biology Science

972-883-4247

Dr. Manuel Quevedo-Lopez

Head, Materials Science and Engineering

TI Distinguished University Chair in Nanoelectronics

972-883-5714

Dr. Joshua Summers

Head, Mechanical Engineering

Jonsson School Chair

972-883-6952

Dr. Stephen Yurkovich

Head, Systems Engineering

Louis Beecherl Jr. Distinguished Chair

972-883-2305

Associate Deans

Christopher Bhatti

Associate Dean for External Relations

UT Dallas Assistant Vice President of Development and Alumni Relations

972-883-6258

Dr. John H. L. Hansen

Associate Dean for Research

Distinguished Chair in Telecommunications

972-883-2910

Elaine Pearson

Associate Dean of Administration

972-883-7338

Dr. Amy Walker

Associate Dean for Undergraduate Education

972-883-5780

Assistant Deans

Dr. William Anderson

Assistant Dean for Research

Fellow, Eugene McDermott Professor

972-883-4618

Dr. Stephen Crynes

Assistant Dean for Student Success

972-883-5783

Dr. Fatemeh Hassanipour

Assistant Dean for Inclusive Excellence

972-883-2914

LaKisha Ladson

Assistant Dean of Strategic Marketing and Communications

972-883-4183

Dr. Gregory Newman

Assistant Dean of IT Operations

972-883-6169

Dr. Mette Posamentier

Assistant Dean of Assessment

972-883-6216

Rod Wetterskog

Assistant Dean of Corporate Relations

972-883-2182

Corporate Partners

The Erik Jonsson School of Engineering and Computer Science has a rich legacy of corporate involvement. The University of Texas at Dallas was founded by Eugene McDermott, Erik Jonsson and Cecil Green, the founders of Texas Instruments. Erik Jonsson also served in several civic capacities, including serving as mayor of Dallas at a critical point in the city's history, and the name "Jonsson School" reflects our ongoing engagement with industry and the surrounding community.

The Jonsson School Executive Council was established in 2019 and includes community and industry leaders, philanthropic partners, University leaders, faculty and distinguished alumni who contribute to strategic planning initiatives specifically for the Jonsson School.

Executive Council

HONORARY MEMBER

Mark Cuban

Owner, Dallas Mavericks

CHAIR

Kris Fitzgerald

Retired CTO, NTT DATA Services

IMMEDIATE PAST CHAIR

Annette Jackson-Anderson

Vice President, Charles Schwab

MEMBERS

Dr. Cammy Abernathy

Dean, University of Florida

Alberto Bayarena

Senior Site Leader, Amazon Web Services

Dinesh Bhatia MS’87, PhD’90

Professor, UT Dallas

Ashok Chitiprolu

CTO and Managing Director, TechStar Group

Satyajit P. Doctor (Doc) MS’91*

Founder and President, Award Solutions

Dr. W. Sam Easterling

Dean, Iowa State University

Neel Gonuguntla

Executive Board Member, US India Chamber of Commerce DFW

Jim Hellums PhD’00

Retired Fellow, Texas Instruments

Tahir Hussain BS’94*

CEO and Managing Partner, Collide Village

Veronica Moyé

Partner, Gibson, Dunn & Crutcher LLP

Tad McIntosh

President and CEO, HumCap

Sean Minter

Founder and CEO, AmplifAI Inc.

Vinod Nanu

CEO, Moviynt

Ram Narayanan

Managing Director, Goldman Sachs

Andrew Olowu

CTO, Axxess

Scott Richardson

CFO, Celanese

Lucas Rodriguez, MS’14, PhD’16

Principal, Orchid Capital

Jenny Sivie BA’94

CIO / Director of Marketing

Norman S. Wright Mechanical Equipment

Ronnie Spellman

President of the Southern U.S. Region, PlanetMagpie

Spencer Whitley

IT Director, State Farm

Yi Zhao PhD’96*

UT Dallas Distinguished Alumni

PAST MEMBERS

Lou Hutter,

2017 – 2021

Principal, Lou Hutter Consulting

Neel B. Reddy BS’19

Associate Consultant, Bain & Company

Farooq A. Tayab, 2017 – 2021

Partner, Norton Rose Fulbright US LLP

Philip** and Diane Jonsson

The Philip R. Jonsson Foundation

EX OFFICIO MEMBERS

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Dr. Poras Balsara

Vice Dean, The Jonsson School, UT Dallas

Chris Bhatti MS’06

Assistant Vice President / Associate Dean, UT Dallas

Kyle Edgington PhD’13

Vice President, UT Dallas

Dr. Inga Musselman

Provost, UT Dallas

*Distinguished Alumni of The University of Texas at Dallas

**In Memoriam

Engineering is central to the mission of UT Dallas, which is committed to be a global leader in innovative, high quality science, engineering, and business education and research.

The Jonsson School is one of the fastest-growing and most vigorous engineering and computer science schools in the United States. Since 2008, the Jonsson School has doubled in size with the creation of four new departments and nine new degree programs, while maintaining an undergraduate student body whose average SAT scores are among the highest of any public university in Texas. Strategically located in the Dallas area's Telecom Corridor, home to hundreds of high-tech companies, Jonsson School areas of expansion include programs in biomedical engineering, mechanical engineering, materials science, analog electronics, cybersecurity, systems engineering, robotics and control systems.

Mission

The mission of the Jonsson School is to:

Deliver state-of-the-art high-technology engineering degree programs for the State of Texas and beyond.

Produce versatile students equipped not only with technical skills, but also with innovative and entrepreneurial skills.

Address problems of critical societal need through research aimed at the creation of new engineering knowledge and technology transfer to industry.

Develop partnerships with government and the private sector to apply new knowledge for economic growth and high-tech job creation in order to strengthen existing regional firms, promote the growth of new regional firms and create new high-paying private sector jobs.

Provide leadership and outreach to nurture tomorrow's leaders in science, mathematics and high-technology education and business.

Degrees

Undergraduate

Bachelor of Science

Biomedical Engineering

Computer Engineering

Computer Science

Data Science++

Electrical Engineering

Mechanical Engineering

Software Engineering

Minors

Computer Science

Information Assurance

Nanoscience and Technology

Software Engineering

Graduate

Master of Science

Biomedical Engineering

Computer Engineering

Computer Science

Cybersecurity, Technology and Policy+

Electrical Engineering

Mechanical Engineering

Software Engineering

Materials Science and Engineering

Telecomm Engineering

Executive Masters in Software Engineering

Systems Engineering and Management

Doctoral

Doctor of Philosophy*

Biomedical Engineering

Computer Engineering

Computer Science

Electrical Engineering

Mechanical Engineering

Software Engineering

Materials Science and Engineering

Telecomm Engineering

Geospatial Information Sciences+

Certificates

Undergraduate

Information Assurance

Nanoscience and Technology

Graduate

Cybersecurity Systems

Information Assurance

Systems Engineering or Systems Management

Executive Education in Systems Engineering or Systems Management

*Data on the 18 characteristics prescribed by the Texas Higher Education Coordinating Board is available here.

+Program is offered through the School of Economic, Political and Policy Sciences.

++Program is offered through the School of Natural Science and Mathematics.

State-of-the-art facilities are integral to meeting the Jonsson School mission of being a global leader in engineering and computer science education and research. In recent years, leaders have purchased and built multiple facilities to keep pace with school growth and meet societal needs.

Jonsson School facility resources now include one of the largest project design studios in the country, as well as a Makerspace area for creative pursuits. One of the most recent buildings is Engineering and Computer Science West (ECSW), which was dedicated in 2019. Building walls are made of glass – turning even elevator, piping and heating systems into educational opportunities. ECSW adds to the growing list of Jonsson School facilities that help attract and retain top faculty members and students interested in conducting high-impact research.

A sampling of facility resources by area is provided below. Visit departmental and program Web pages for specific capabilities, and the open access lab page for computer hours.

UTDesign Studio

UT Design StudioAs a place where students and corporate partners create, innovate, design, build and learn, the UTDesign® Studio, located at the Synergy Park North Center, provides more than 30,000 square feet of dedicated space. The studio has room for 56 project stations, a computer lab, machine shop, Makerspace project area, seven conference rooms including a Cisco Telepresence room, five secured project lab rooms and a seminar room. Texas Instruments recently opened a 1,100-square-foot innovation lab in the studio.

Bioengineering

The Bioengineering buildingThe $108 million, 220,000-square-foot Bioengineering and Sciences Building was dedicated in 2016 and became the largest academic building on campus. The four-story building connects to the Natural Science and Engineering Research Laboratory for easy access and interdisciplinary collaboration. The Texas Biomedical Device Center, a collaborative effort engaging researchers from biomedical engineering and other disciplines who work toward creating new biomedical technologies and therapies, is housed in BSB. Biomedical engineering research is also conducted in facilities at UT Southwestern Medical Center.

Computer Science

A student experiences virtual realitySpecialized computer science labs for parallel processing, distributed systems, software engineering, high-performance computing, graphics, programming languages and systems, telecommunications, computer-aided design and graph visualization, image understanding and processing, artificial intelligence, data mining, natural language processing, speech processing and Web technologies are housed mostly in the South Engineering and Computer Science (ECSS) building. Motion capture and virtual reality labs are housed in the Edith O'Donnell Arts and Technology Building.

Electrical and Computer Engineering

Students work in an electrical engineering labExtensive facilities for research in microelectronics, telecommunications and computer science are provided in several building on campus. Capabilities include a state-of-the-art computational facility consisting of a network of Sun servers and Sun engineering workstations that is connected via an extensive fiber-optic Ethernet and has direct access to most major national and international networks through the Texas Higher Education Network. Electrical engineering facilities also include the Cleanroom Research Laboratory housed in the Natural Science and Engineering Research Laboratory. Local industries, through cooperative arrangements, also offer research space.

Mechanical Engineering

Mechanical engineering equipmentThe Department of Mechanical Engineering is housed in the Engineering and Computer Science West building. The $110 million, 200,000-square-foot facility houses about 50 faculty members, their research labs and students. Meeting spaces of varying sizes are designed for promoting collaboration, active research and project-based experimentation. Other mechanical-engineering related facilities include a wind tunnel and the machine shop, which gives students the experience of building custom mechanical components or systems for class assignments, research and industry sponsors.

Materials Science and Engineering

Materials Science and Engineering buildingThe Department of Materials Science and Engineering is housed in the $85 million Natural Science and Engineering Laboratory (NSERL). Evidence of the philosophy that innovation can be fostered working across boundaries, NSERL houses an array of engineers, physicists, chemists and microbiologists and their graduate students. Equipment for the advanced work of materials scientists in the building include the Versaprobe II (Physical Electronics Inc.,) scanning X-ray photoelectron spectroscopy (XPS) microprobe, a Rigaku Ultima III X-ray Diffractometer (XRD) system, a Cascade Summit series probe station, a cryoelectronics laboratory, a ION TOF IV, a suite of tools from Mettler Toledo, a Dual Column Focused Ion Beam (FIB), a field emission Scanning Electron Microscope (SEM) and a cleanroom staffed primarily by former professionals from Texas Instruments.

Systems Engineering

Batteries in testingJust as systems engineering is applicable across multiple industries, systems engineering research is conducted in various labs, centers and buildings throughout campus grounds. One of the main systems engineering facilities is the Energy Storage Systems Lab (ESSL). Located in South Engineering and Computer Science (ECSS) building, ESSL facilities allow hands-on research in battery cycling for data collection used in battery/pack modeling and estimation for electric and hybrid vehicle applications.

Engineering Tech Support Staff

Supports Bioengineering, Electrical Engineering, Materials Science and Engineering, and Mechanical Engineering

John McConnell

Software Systems Specialist IV

Manager

ECSN 2.508 | 972-883-2997

Nigel Nazir

Software Systems Specialist IV

Systems Architect

ECSN 2.508| 972-883-2997

Eric Laws

Software Systems Specialist III

Unix, Linux Network Support

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Robert Henke

Software Systems Specialist III

Windows Server Specialist

ECSN 3.914 | 972-883-2997

John Dinh

Software Systems Specialist II

Windows, Mac and Network Support

ECSN 3.916 | 972-883-2997

Bobby Trimble

Software Systems Specialist II

Windows, Mac and Network support

ECSN 2.508 | 972-883-2997

Jimmy Clark (JC)

Software Systems Specialist II

Windows, Linux, Mac and Network support

ECSN 2.508 | 972-883-2997

James Cheatham

Software Systems Specialist II

Windows and Network Support

ECSN 2.508 | 972-883-2997

Steve Martindell

Software Systems Specialist III

TxACE Center

CAD/EDA Software Tool Specialist

ECSN 3.824 | 972-883-5551

Computer Science Tech Support

Supports Computer Science and Systems Engineering

Maria Hernandez

Software Systems Specialist II

ECSS 4.603 | 972-883-4384

William Midyette

Software Systems Specialist III

ECSS 4.703 | 972-883-4384

Office of the Dean

Physical Location

ECSW 4.110 on the UT Dallas Campus

Mailing Address

The Erik Jonsson School of Engineering and Computer Science

The University of Texas at Dallas

800 W. Campbell Road ECW 41

Richardson, TX 75080-3021

For media requests or questions about Jonsson School marketing, communications or public relations matters, please call 972-883-4989 or email engineering@utdallas.edu.

Advising

Bachelor's Degree

Students with questions about classes for undergraduate majors should please contact the appropriate advisor, or email ECS_ADU@utdallas or ECS_UGadvising@utdallas.edu.

Master's and Doctoral Degrees

Students with questions about classes for graduate courses should please contact the appropriate advisor based on your area of study.

Departments

Bioengineering

972-883-5155 | BSB 11.102 | Mail Stop BSB11

Computer Science

972-883-2185 | ECSS 4.9 | Mail Stop EC31

Electrical and Computer Engineering

972-883-6755 | ECSN 4.7 | Mail Stop EC33

Materials Science and Engineering

972-883-6748 | NSERL 3.744 | Mail Stop RL10

Mechanical Engineering

972-883-4660 | ECSW 3.140 | Mail Stop ECW31

Systems Engineering

972-883-4534 | ECSN 3.7 | Mail Stop EC39

For additional faculty and staff contact information, consult the directory.

Admissions and General Questions

Email: interest@utdallas.edu

Phone: 972-883-2270

Toll Free: 1-800-889-2443

Fax: 1-972-883-2599

Incoming Freshmen Checklist+

Verify Admitted Major: Verify admitted major in Galaxy. Check your admitted major as listed in your admissions acceptance letter and academics tab in Galaxy.

Register for Orientation: Freshman Orientation | Freshman Year Experience (utdallas.edu). Students will meet with the advising staff during their orientation session.

Review requirements for ALEKS Math Placement Assessment Exam Review requirements for ALEKS Math Placement Assessment Exam ALL ECS incoming freshman students MUST take the ALEKS assessment three days prior to their scheduled orientation date. Information about the ALEKS assessment can be found here: ALEKS Math Assessment Exam – The University of Texas at Dallas (utdallas.edu).

Review and resolve any holds on your account: Check for any holds on your account and taken care of them before your scheduled orientation date. This excludes the “Cannot Register Online” hold and the New Student Program orientation hold, as they will be removed after you attend orientation. Examples of holds to take care of prior to your scheduled orientation date: meningitis hold, residency requirement documents, etc. Click on the hold to see which department the hold corresponds to and email that department for any questions about the hold listed.

Optional Computer Science Placement Test: You are not required to take the Computer Science placement test. This is an optional placement test for students who already have programming knowledge. If you do not have any programming knowledge, you do not need to take the Computer Science Placement test. This is a placement test that measures programming knowledge and places students into the appropriate Computer Science course. Students take the placement test after they have registered for classes. More information will be provided the day of your orientation session.

Freshmen+

Recommended AP classes to take in high school

Calculus (AB or BC)

Physics C Mechanics

Physics C Electromagnetism and Waves

Computer Science A

Other credits like core classes help too, but the courses listed here are particularly helpful because they are prerequisites to many other classes you will take for your major in The Jonsson School. Review AP and IB credit equivalencies.

Applying for Admission

Freshman Orientation

All freshmen are required to complete freshman orientation requirements. Find out more about orientation.

Good news! Summer 2021 and Fall 2021 students may register for classes early (before their assigned orientation date) if they have completed all required modules and have no holds. Please monitor your UTD email for instructions and next steps. This will be our official form of communication.

UT Dallas offers a Freshmen Mentor Program. Find more information about how to participate in that program HERE

Math Placement: The ALEKS Assessment

All Jonsson School students take math in their first semester. For math course placement, UT Dallas uses the ALEKS Assessment OR college level math credits earned while in high school. Do I need to take the ALEKS?

We recommend completing the ALEKS two weeks before your Freshman Orientation. Keep in mind, you can retest after your first attempt. Delaying the ALEKS can delay your registration.

CS Placement Exam

Incoming students must attend an orientation session and register for at least one class at UTD (not specifically a CS Class), before being able to enroll and take the CS Placement exam.

This assessment is optional.

Only take this test if you have prior knowledge of C++.

You must score 70% (not just 70 points) to pass the test.

Only one attempt is allowed.

This test allows you to skip programming fundamentals (CS 1336/1136). It does not give you college credit for programming fundamentals.

If you take programming fundamentals and do not pass, you cannot use this assessment to get credit.

Ready to take the test? See instructions on how to take the test.

Learning about your degree requirements

You can familiarize yourself with the courses required for your degree by reviewing your degree plan and flowchart, found on the Degree Resources page.

You will learn more about your degree requirements in your ECS 1100 class, a required course for all Jonsson School freshmen that is taught by an advisor.

After your first semester, your assigned academic advisor will be your primary contact regarding degree requirements.

Transfer+

Helpful classes to take

Engineering and computer science classes have math, programming, and physics prerequisites. You should strongly consider prioritizing these courses before you transfer. If you do not take these classes prior to transferring, your graduation is likely to be delayed.

Transfer Plans

Utilize transfer plans and communicate with your UT Dallas academic advisor long before you transfer to ensure you’re on the right track with math, programming, and other helpful coursework. Note that the transfer plan is simply a guide. Your degree requirements will be determined based on the catalog year in which you transfer.

How to streamline your transfer experience to UT Dallas

Meet with your assigned UT Dallas academic advisor based on last name and major when you first start at the community college.

Check in with your UT Dallas advisor periodically to review your enrollment choices.

Please refer to the transfer admissions website for the recommended application timeline.

Once accepted, sign up for the next transfer orientation that works for you. Note that at UT Dallas, registration opens for the subsequent term in November and April.

About the Transfer Mentor Program

College presents many challenges, both academically and socially. The Transfer Mentor Program was created to connect incoming transfer students with current UT Dallas students who also transferred to the University. Transfer students who choose to join the Transfer Mentor Program are paired with a student mentor to help ease the transition to UT Dallas, specifically during their first two semesters at the University. Peer mentors at UT Dallas work to mentor new students in the following three areas: leadership development, academic support, and social engagement. In addition to providing personalized support for each mentee, the Transfer Mentor Program hosts service, academic, and social events throughout the year for participants to engage on-campus and with the program more deeply.

Second Bachelor's Degree+

The Jonsson school does admit students pursuing their second bachelor's degree on a holistic basis (GPA, essay, relevant coursework, etc.). If you do not have a science or technology background, we recommend taking major preparatory coursework (calculus, physics, programming, etc.) at a community college prior to applying. Transfer plans and degreeplans will assist you in identifying which courses to take at the community college.

Graduate Courses

Upper-division students, who are classified as seniors and have completed core curriculum requirements, may petition the undergraduate associate dean and appropriate graduate advisor/program director to take graduate courses.

If approved, these graduate courses can be applied toward satisfying bachelor's degree requirements or can be designated for future application toward a graduate degree or certificate requirement at

UT Dallas. You must declare at the time of registration for the class how each approved course is to be applied. Once applied, the options cannot be changed.

There are several options to take graduate level courses.

Graduate Courses Applied Toward an Undergraduate Degree

Up to 12 semester credit hours of graduate work taken as an undergraduate may be used for completing any baccalaureate degree at UT Dallas; this is sometimes called “Option A”. Pass/Fail grading for graduate courses will be permitted only in this category but must be approved by the instructor prior to the start of class.

To take a graduate course you must obtain approval from the instructor, graduate program director and the undergraduate associate dean by completing the petition form.

Fast Track

The Fast-Track option enables qualified senior undergraduate students to include master’s level courses in their bachelor’s degree plans as they work toward a master’s degree at UT Dallas. Admission into a Fast-Track program is open to senior undergraduate students with 90 or more earned hours, of which at least 36 must be completed hours in the core curriculum.

In the Jonsson School, students can pursue graduate degrees in biomedical engineering, computer engineering, computer science, electrical engineering, materials science and engineering, mechanical engineering, software engineering and systems engineering and management.

The Fast-Track program is designed to accelerate a student’s education so that both BS and MS degrees can be earned in approximately five years of full-time study.

Choice of Graduate Degree >>

Commonly, a Fast-Track student will continue studies in the corresponding major at the graduate level. An advantage of continuing with the same major is that the master’s level courses a Fast-Track student takes are more likely to fit well into both the bachelor’s and the master’s degree requirements. A Fast-Track student must choose master’s level courses that satisfy the requirements of the bachelor’s degree and those of the intended master’s degree.

Cross tracking is when a Fast-Track student chooses a major other than their current undergraduate degree program. A cross-tracking student should select master's level courses from the list of prerequisite and core courses for the intended master's degree requirements. A Fast-Track student would use these master's level courses towards guided or free electives in the current bachelor's degree requirements.

A Fast-Track student may only fast track into a single master's level program.

Remaining in the Fast-Track Program >>

In order to remain in good standing, a Fast-Track student must fulfill the following requirements:

Maintain a cumulative GPA of at least 3.000 in both undergraduate and graduate careers (i.e. a "B" average in both graduate and undergraduate classes).

Satisfy all program requirements while maintaining good academic standing.

Students may not repeat a single master's level course more than one time. Students may repeat only three master's level courses a maximum of one time for up to three courses, including withdrawals. All attempted coursework including withdrawals and repeats will be included in a student's graduate record and transcript.

A student may take up to a maximum of 15 semester credit hours (SCH) in total at the master's level. For example, if an undergraduate student chooses to take nine graduate semester credit hours reserved for application toward their graduate degree, the undergraduate student can take only six SCH at the master's level in the Fast-Track option. Withdrawals and repeated coursework will also be included in the 15 SCH maximum.

If, at any time, a Fast-Track student fails to satisfy these requirements, the Fast-Track student will be withdrawn from the Fast-Track program. Once withdrawn from Fast-Track program, any previously completed graduate coursework may only apply toward undergraduate degree requirements.

Frequently Asked Questions >>

When should I apply?

You must be a senior to take graduate courses (i.e. have passed >90 SCH). A good rule of thumb for engineering majors is to apply the semester before you take Senior Design I. For computer science and software engineering majors you should apply either the semester before the capstone project or two semesters before.

How many graduate courses should I take to graduate with a MS in one extra year?

In engineering and computer science most MS degree programs are 33 SCH or 11 graduate classes. Typically, a full-time graduate student takes three graduate classes per long semester. This means that to graduate with an MS in two semesters you need to take five graduate courses as an undergraduate. Similarly, if you wish to graduate with a MS degree in three semesters then you need to take three graduate courses as an undergraduate.

This sounds great but I'm not confident I can take graduate classes as an undergraduate. Do I have other options to apply to the MS programs in engineering and computer science

Yes! As a student who is currently pursuing an undergraduate degree at UT Dallas you can apply to MS programs via the UT Dallas Quick Admit.

COVID-19

UTD is here to support you in your time of need. For information regarding COVID-19, its impact on the university, or a list of student support resources related to this global pandemic please visit:

https://utdallas.edu/covid/students-families-info/student-resources/.

Academic Support

Did you know that the Computer Science Department has its own tutoring center, the Computer Science Mentor Center (CSMC), for help in CS courses? The university also offers tutoring in other subjects through the Student Success Center.

Faculty Advisors

Faculty Advisors are now available to assist students with career questions.

What could you discuss with a Faculty Advisor?

What is the difference between the ECS programs?

How does my choice of program affect my career and job opportunities?

What electives should I take to make my education more rounded?

If I want to work toward a senior design project, what are my options?

What are my options for independent study?

How do I contact a professor?

How can I get some practical work experience?

How do I best prepare for graduate school?

What are the advantages to me in terms of my objectives?

How do I decide on a career?

What type of jobs should I expect to find in my major when I graduate?

What additional resources does the University offer?