

# WELCOME

## CSE New Student Advising Session

### CSE Graduate Advisors:

Dr. Bahram Khalili

Dr. Sajib Datta

### CSE Staff Advisor

Ms. Sha'Londa Towns

### CSE Graduate Secretary:

Ms. Camille Costabile

# Today's Agenda

- ❑ **PLEASE NOTE:** If you are not on the roster for this advising session, you will not be cleared for classes or advised during this session.
- ❑ **NO** exceptions.
- ❑ Please leave now and see Ms. Camille Costabile in ERB 630 to schedule an advising session.

# Important

PLEASE PAY ATTENTION AND TAKE  
NOTES

If you have questions, ask them now if possible so all students in the session can benefit from the answer

# Today's Agenda

## □ Discussion, Q&A

- Admission types (Unconditional, Provisional, Probationary)
- Requirements for students admitted on Probation
- CSE degree plan types (Thesis, Non-Thesis)
- Degree plan management

## □ **Initial** degree plan preparation

## □ Registration hold removal and course **clearances** with advisor (one-on-one, 4-5 minutes each, as needed)

# Today's Agenda

- ❑ Relax!!... Listen!!... Learn!!
- ❑ You will NOT need to make any decisions today that will adversely impact your ability to complete your degree plan
  - Thesis or Non-Thesis... can be changed later this semester or next
  - Initial degree plan course selections... your choices will evolve based on course availability and your preferences
- ❑ This session is for general information, initial degree planning and course clearances
  - It is **NOT** a one-on-one, special situation, individual advising opportunity

# Today's Agenda

- Most of you are **not** a "SPECIAL CASE" with regard to your admission status
  - The information and policies discussed today are well-tested, long-standing, and not intended to be used as a basis for negotiation.
  - VERY FEW, if any, of you will have your admission conditions waived.
  - Graduate advisor's/application reviewer's decisions are final

# Today's Agenda

- There is a major change in our MS plans
  - You can now complete your degree with **30-hours** of coursework - but **only if you satisfy certain additional requirements**.
  - If you **do not satisfy the requirements**, you will need **36-hours** to complete your MS degree.
  - We will discuss these requirements today.

# UTA Graduate Admission Types

- **Unconditional:** applicant meets or exceeds all specified Graduate Admissions Office and CSE admission criteria
  - This student is fully qualified as a candidate for a Masters degree
- **Provisional:** certain required documents and/or admission materials were not available when application was reviewed
  - This student must provide the required documents/materials to the Graduate Admissions Office (transcripts, degree certificates, etc.)



# UTA Graduate Admission Types

- ❑ **Probationary:** certain CSE admission criteria were not met
  - This student must complete the specified requirements in their first semester at UTA in order to become fully qualified as a candidate for a Masters degree
  - Failure to complete the requirements as specified can result in:
    - ❖ Dismissal
    - ❖ Restriction of ability to register for further courses
    - ❖ Unhappy students and advisors

# Types of Admission Probation

## ❑ Foundation course deficiencies

- MUST complete the courses with grade of 'C' or better, or pass certification exam
- **IMPORTANT NOTE:** these courses count toward your GPA

## ❑ English language skill deficiencies, as indicated by GRE Verbal and/or TOEFL scores

- MUST take **GESP Placement Exam** immediately and any required GESP courses this semester

## ❑ Undergraduate grade deficiencies, as indicated by weak or marginal performance in some critical undergraduate courses

- MUST make grades of 'B' or better in all courses for the specified number of hours

## CSE Admission Criteria (for 36-hour plan)

- **GPA** > 3.2 (U.S. equivalency basis)
  - With strong (typically 'B' or higher) performance in specified CSE foundation and math courses
- **Four full semesters of engineering mathematics**, including a full semester each of:
  - *Calculus I, Calculus II, Linear Algebra, and Probability & Statistics or Engineering Probability*
- **GRE**: Verbal  $\geq 145$ , Quantitative  $\geq 155$ , Total  $V + Q \geq 300$
- **TOEFL** iBT  $\geq 90$ , with no area < 20, or **IELTS**  $\geq 7.0$  overall and in each area

## CSE Admission Criteria (for 30-hour plan)

- ❑ **Must need to be admitted Unconditionally**
- ❑ **GPA** > 3.2 (U.S. equivalency basis)
  - With strong (typically 'B' or higher) performance in specified CSE foundation and math courses
- ❑ **Four full semesters** of **engineering mathematics**, including a full semester each of:
  - *Calculus I, Calculus II, Linear Algebra, and Probability & Statistics or Engineering Probability*
- ❑ **GRE**: Verbal  $\geq 145$ , Quantitative  $\geq 160$ , Total V + Q  $\geq 305$
- ❑ **TOEFL** iBT  $\geq 90$ , with no area < 20, or **IELTS**  $\geq 7.0$  overall and in each area

## Deficiency courses for 30-hour plans

- ❑ MS in **Computer Science** (must have taken these classes or equivalent as undergrad-none can count towards 30-hour plan):

SE 1

CSE 5324

Networks 1

CSE 5344

DB 1

CSE 5330

- ❑ **NOTE:** only full-semester courses dedicated to the specified subject alone are accepted.

# Deficiency courses for 30-hour plans

- ❑ MS in **Software Engineering** (must have taken these classes or equivalent as undergrad-none can count towards 30-hour plan):

SE 1 (Software Design)

CSE 5324

SE 2 (Software Project Management)

CSE 5325

DB 1

CSE 5330

❑ **NOTE:** only full-semester courses dedicated to the specified subject alone are accepted.

## Deficiency courses for 30-hour plans

- ❑ MS in **Computer Engineering** (must have taken these classes or equivalent as undergrad-none can count towards 30-hour plan):

Electronics 1

CSE 3323

Signal Processing

CSE 5366

Networks 1

CSE 5344

- ❑ **NOTE:** only full-semester courses dedicated to the specified subject alone are accepted.

# CSE Admission Criteria (all plans)

## ❑ Required CSE Foundation Topics/Courses:

C/C++ Programming CSE 1320

Computer Organization and Architecture CSE 2312

Discrete Mathematics, Discrete Structures CSE 2315

Algorithms and Data Structures CSE 2320

(C and Data Structures course is NOT equivalent)

Theoretical Computer Science, or Formal Languages CSE 3315

/Automata Theory (Compiler course is NOT equivalent)

Operating Systems CSE 3320

❑ **NOTE:** only full-semester courses dedicated to the specified subject alone are accepted.



# Deficiency Course Requirements

- If you are admitted on Probation with deficiency course requirements, your only three options are:
  1. Show us the **full-semester, single, dedicated, exact equivalent course** that we missed on your transcript, and we will waive the requirement
  2. Take the **deficiency exams** on Wednesday 8/23/2017. If you pass the exams we will waive the requirement. Exams are available **ONLY** for CSE 2312, CSE 2315, CSE 3315.
  3. Take and pass the class(es) in your first semester

# Deficiency Course Requirements

## □ IMPORTANT NOTES ON DEFICIENCY COURSE REQUIREMENTS

- This is **NOT NEGOTIABLE**. You accepted admission to the CSE program on this basis.
- If an error was made and we missed a **FULL-SEMESTER EXACT EQUIVALENT COURSE** dedicated to only the topic of the deficiency, we will correct our mistake.
- ALL CSE ADVISORS are in agreement on this. "Shopping" for a CSE advisor who will waive a valid deficiency **WILL NOT WORK!**

# CSE MS Degree Plans

## □ CS/CpE **Thesis**

- 8 courses (24 hours)
- Thesis research under CSE faculty supervision (minimum of 6 hours)

## □ CS/CpE **Non-Thesis**

- 10 courses (30 hours) or 12 courses (36 hours)

## □ Masters of **Software Engineering** (non-thesis)

- 10 courses (30 hours) or 12 courses (36 hours)

# Thesis Degree Option

- ❑ 2 **core** courses : 5311, One of {5301, 5306, or 5317}
- ❑ 3 courses in **Major/Specialty** area (one 6000-level)
- ❑ 2 **Breadth** courses
  - The two have to be in two different areas
- ❑ 1 **Elective** (can be in area of Major/Specialty or outside the Department, with prior approval by advisor)
- ❑ **Thesis II** (5698) Must be taken in graduating semester.

**IMPORTANT NOTE:** Thesis II must be taken in the semester in which you plan to defend and graduate. It may be repeated as necessary.

# Non-Thesis (Structured) Degree Option (30-hour)

- ❑ 2 **core** courses: 5311, One of {5301, 5306, or 5317}
- ❑ 3 courses in **major/specialty** area 1 (one 6000-level)
- ❑ 3 courses in **major/specialty** area 2 (one 6000-level)
  - Must be different from major/specialty area 1
- ❑ 2 **breadth** courses
  - Cannot be in either of above specialty areas

# Non-Thesis (Structured) Degree Option (36-hour)

- ❑ For students who do not meet all the 30-hour criteria
- ❑ Need 30 hours as in the 30-hour plan, **plus 2 additional (levelling) courses**
- ❑ For MS in **Computer Science**, two out of the following 3 courses: CSE 5324, CSE 5330, CSE 5344
- ❑ For MS in Computer Engineering, two out of the following 3 courses: CSE 3323, CSE 5344, CSE 5366

# Current CSE Major/Specialty Areas/Tracks

- ❑ Intelligent Systems/Robotics
- ❑ Data Sciences/Databases
- ❑ Security/Privacy
- ❑ Image Processing/Graphics/Multimedia
- ❑ Networks/Mobile Systems
- ❑ Software Engineering
- ❑ Systems/Architecture
- ❑ Theory/Algorithms/Languages
- ❑ Bioinformatics/Health Informatics

# MS Software Engineering (36- hours plan)

- ❑ 5 **Core** courses: CSE 5311, 5324, 5325, plus 5328 and 5329 project, or acceptable substitute
- ❑ 3 **SwE Courses** from: CSE 5321, 5322, 6324, 6329
- ❑ 4 **Electives**, including three from CSE courses



# MS Software Engineering (30- hours plan)

- 5 **Core** courses: CSE 5311, CSE 5321 (replacing 5324), CSE 5322 (replacing 5325), plus 5328 and 5329 project, or acceptable substitute
- 3 **SwE Courses** from: CSE 5320, 5382, 6324, 6329
- 2 **Electives**, all from CSE courses

# Important Notes

- ❑ NO waivers for Core course requirements, even if you completed an equivalent course in your undergraduate studies
- ❑ Directed Study (5393) is **not allowed** under the non-thesis (structured) option.

# Important Notes (cont.)

- ❑ To switch from non-thesis to thesis:
  - ❑ First step is to find a CSE professor who is willing to supervise your MS thesis research
  - ❑ You can sign up for directed study (5393) by completing the form with your professor - it is **not required** to take directed study
  - ❑ Professor needs to confirm that you will work on MS thesis by emailing a grad adviser
  - ❑ Need to take Thesis II CSE 5698 in final (graduating) semester

# Managing YOUR Degree Plan

- ❑ CSE Graduate Students can register for (almost) any course CSE offers... so BEWARE!
  - Only special CSE courses require clearance (Directed/Individual Study, Thesis II, any web course, classes with pre-requisites)
- ❑ YOUR plan is **YOUR responsibility**
  - Use MyMav Degree Audit capability to view your progress
  - Ask questions of the graduate advisors if in doubt about progress or applicability of a specific course

# Next Steps Today

- Begin to fill out your **degree plan template** and make your initial selection of courses for this semester
  - **Three** courses, maximum
  - Course must be offered, with seats still available
    - ❖ All courses have waiting lists; you may enroll yourself in multiple waiting lists
    - ❖ Advisors will not add seats for you and will not enroll you in waiting lists
  - **Deficiency courses** must be completed this semester. Advisor will add those classes to your schedule. (Note: if  $< 3$ , also select graduate class/classes).

# Next Steps Today

- ❑ Meet with advisor as specified to have **holds removed** and courses cleared as necessary
  - Advisor will enroll you in any required deficiency classes (Note: again, this is a requirement for you to remain a graduate student in CSE and is not a negotiable matter.)
- ❑ Find a computer on the campus network and **register** for your courses.
- ❑ If GESp required, contact UTA English Language Institute (402 Hammond Hall) immediately and schedule your late placement exam.

# Next Steps Today

- ❑ After you are registered for a class/classes, MAKE FULL PAYMENT or DEFERRED PAYMENT ARRANGEMENTS before **11:59pm** on the SAME DAY.
  - Failure to do so will result in being dropped from ALL classes.

See <https://www.uta.edu/business-affairs/sfs/payment-info/fall.php> for complete information on tuition payment procedures and available payment plan options.

- Late enrollment starts on first day of class (Thursday 8/24) and a \$25 fee will be added during that period.
- All tuition and fee payment questions/issues must be resolved with the **UTA Bursar** in Davis Hall.

# Closing Comments

- We have limited time today and this session today is **not** intended to be an individual advising meeting
  - See **Camille** for advisor availability times if you need more help after today.
  - **Note:** don't waste your/others' time by trying to negotiate away your probation requirements.



*Welcome Aboard, and Best Wishes*  
for a great experience in the CSE  
Graduate Programs!