Computer Science and Engineering

Freshmen and Transfers

NSC NEW STUDENT CONFERENCE

Day 2 Logistics and Details

Day 2 Logistics and Details

- The purpose of day 2 of the NSC is to acquaint students with the Department of Computer Science and Engineering's structure and advising expectations, as well as to register for Fall 2025 courses.
- Only students are allowed in the advising rooms. Students will be able to meet with their family members during the lunch break and after registration has concluded.
- Lunch locations can be found at tx.ag/nscdining.

Schedule for the Day

Time	Session	Location
8:30 a.m.	Dean’s Meeting	Rudder Theatre
9:00 a.m.	Department presentation	ZACH (room tbd)
10:00-12:00 p.m.	Schedule preparation with advisors	ZACH (room tbd)
2:00 p.m.	Registration for Fall 2025	ZACH (room tbd)

Come Dine with us

AGGIE DINING

NSC

WHERE AM I EATING DURING NSC?

tx.ag/NSCDining

Dining Locations Near Us:

- Polo Garage Food Court (Panda Express, Salata, Houston Street Subs)

Who to contact when

Who to contact when

- Unless all other methods have been exhausted, students (and their families) should not directly contact the Dean's office to resolve issues. Respecting this boundary is very important.

Who to contact when

- If you have concerns or conflicts regarding your classes, please contact the instructor first.
- Teaching assistants are excellent resources, but they do not have primary responsibility for courses or issues within.
- The Department Head or Associate Department Head of the *respective department* should only be contacted when all other outlets have been exhausted.

Who to contact when

- If you would like to discuss decisions regarding your curriculum (degree planning, dropping classes or changing your schedule, etc.), you should first contact your department's advising team.
- All advisors within a department will give the same responses, so only one meeting will be sufficient.
- If you need greater resolution, please contact your Academic Advising Coordinator.

Advising Expectations

Advising Expectations

- The purpose of your NSC is just to get the semester started, to get students acquainted with their degree and programs at a basic level.
- We will have small-group meetings by the middle of October.

Advising Expectations

- Attend a small group meeting by mid-October
- Be aware of the university's calendar and all relevant deadlines
- Be aware of the university, college, and department rules for scholastic probation
- Check their university email on a daily basis
- Adhere to the Aggie Honor Code
- Be aware of and adhere to the university's Student Rules
- Follow all course policies and meet prerequisites
- Make satisfactory degree progress every semester
- Come prepared to each advising appointment
- Be aware of and use available advising resources

FERPA

Family Educational Rights and Privacy Act (FERPA)

- FERPA rights reside with the student. Detailed information is provided in an annual notice (sent via email), the University Catalog, and on the Aggie One Stop website.
- Student rights include:
  - The right to inspect and review, with certain limited exceptions, your education record
  - The right to seek amendment of your education record when the records are inaccurate, misleading, or otherwise in violation of FERPA
  - The right to consent to disclosures of personally identifiable information
  - The right to file a complaint with the Department of Education concerning alleged failure by the university to comply with FERPA requirements.

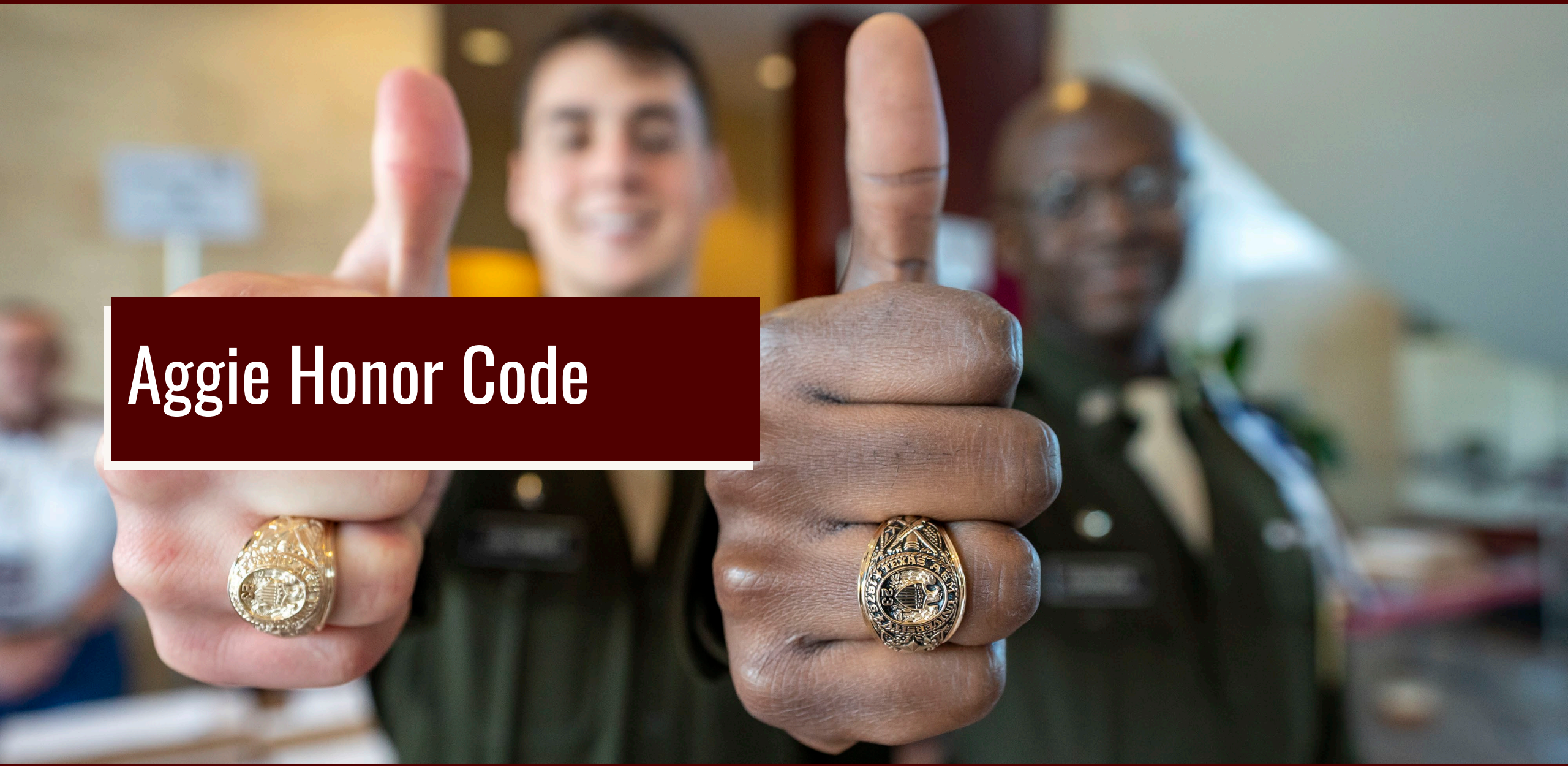
Family Educational Rights and Privacy Act (FERPA)

- Outside of information designated by Texas A&M as directory information, school officials can disclose your student education information only with your prior, written consent or utilizing an appropriate FERPA exception to written consent.
- Family Members: The best practice is for your student and you to have an ongoing conversation about their progress in their courses, including any grades. However, your student is able to grant you access to their grades through Howdy.

Student Rules

- Each student has the responsibility to be fully acquainted with and to comply with the Texas A&M University Student Rules
  - tx.ag/StudentRules
- Colleges can choose what specific Student Rules to cover (ex. Student attendance, Q-Drop, Progress to Degree, Scholastic Grade Warning, etc.) with examples.

Aggie Honor Code



Academic Misconduct

There are 9 different definitions of academic misconduct at Texas A&M University:

- Cheating
- Fabrication
- Falsification
- Multiple Submissions
- Plagiarism
- Complicity
- Violation of College, Program, Departmental or Course Rules
- Abuse and Misuse of Access and Unauthorized Access
- Violation of University Rules on Research

“An Aggie does not lie, cheat or steal, or tolerate those who do.”

Reporting & Adjudication

REPORTING

All suspected incidents of academic misconduct must be reported to the Aggie Honor System Office.

- Students are educated and provided resources regarding their rights and responsibilities through the Aggie Honor System Office.
- This education includes information about their right to file an appeal.

ADJUNCTION METHODS

- Instructors may only impose academic and educational sanctions.
- The Honor Council may decide finding of responsibility and sanction through an Honor Council Hearing or Honor Council Conference. The Honor Council may impose academic, educational, and university level sanctions.

Aggie Honor Code – Artificial Intelligence (AI)

- Refer to Course Policies
  - Acceptable use of AI varies by course. Always consult the syllabus and clarify expectations with your instructor.
- Use AI as a Learning Aid, Not a Substitute
  - AI tools can support your learning process but should not replace your original work or critical thinking.
- Maintain Academic Integrity
  - If AI tools are used, be transparent and provide proper attribution when required by the instructor or assignment guidelines.
- Evaluate AI-Generated Content Critically
  - AI output may include inaccuracies or bias. You are responsible for verifying the accuracy and credibility of any information used.

An overview of your degrees

NSC NEW STUDENT CONFERENCE

Who are we?

We are the Department of Computer Science and Engineering (CSCE)

- We are one of many departments within the College of Engineering (like civil, mechanical, etc.)
- We have three majors/degrees
  - BS in Computer Science (BS-CPSC)
  - BS in Computer Engineering (BS-CPEN)
  - BA in Computer Science (BA-CPSC)

Degree plans

- BS-CPSC: 126 credits
- BS-CPEN-CS: 128 degrees
- BA-CPSC: 120 credits

- Note: student rule 14.5 allows a transfer student to remain on the catalog that corresponds to when the student first enrolled in the institution from which the student transferred.

BS-CPSC degree (sample)

Texas A&M University -- College of Engineering -- Department of Computer Science and Engineering
Degree Plan for the Bachelor of Science in Computer Science (BS-CPSC)
Valid for the Fall 2023 Catalog #146 (126 Credit Hours)

Major Coursework (30 Credit Hours)			
Course	**Hrs.**	**TRUE**	**Notes**
CSCE 120	3		Can replace with CSCE 121 if needed
CSCE 181	1		
CSCE 221	4		
CSCE 222	3		
CSCE 312	4		
CSCE 313	4		
CSCE 314	3		
CSCE 331	4		University Writing Requirement
CSCE 481	1		
CSCE 482	3		University Writing Requirement
Supporting Coursework (46 Credit Hours)			
Course	**Hrs.**	**TRUE**	**Notes**
Emphasis Area Elective	3		12 credit hours total; Must be approved by an advisor and in a single cohesive area outside of, but applicable to, computing (see details in full packet)
Emphasis Area Elective	3		
Emphasis Area Elective	3		
Emphasis Area Elective	3		
ENGR 102	2		Required before entry into CPSC
ENGR or PHYS 216	2		Required before entry into CPSC
Theory Directed Elective (CSCE 411)	3		
Systems Directed Elective	3		
Software Directed Elective	3		
Information & Intelligent Systems Directed Elective	3		
CSCE Tracked Elective	3		From any of the 4 available tracks
CSCE Tracked Elective	3		From any of the 4 available tracks
CSCE Elective	3		Tracked, untracked, CSCE 491, or ENGR 385
STAT 211	3		
MATH 304	3		
MATH 251, 308, or STAT 212	3		
Communication (6 Credit Hours)			
Course	**Hrs.**	**TRUE**	**Notes**
ENGL 103 or 104	3		
COMM 203, 205, or ENGL 210	3		
Mathematics (8 Credit Hours)			
Course	**Hrs.**	**TRUE**	**Notes**
MATH 151	4		Required before entry into CPSC
MATH 152	4		Required before entry into CPSC
Life and Physical Sciences (14 Credit Hours)			
Course	**Hrs.**	**TRUE**	**Notes**
CHEM 119 or CHEM 107 + 117	4		Required before entry into CPSC
PHYS 206	3		Required before entry into CPSC
Science Elective	3		7 credit hours total; Must be from approved list (see details in full packet)
Science Elective	4		

Language, Philosophy & Culture (3 Credit Hours)			
CORE Language, Philosophy & Culture *	3		Any courses with the [KLPC] attribute, see core.tamu.edu
Creavtive Arts (3 Credit Hours)			
Course	**Hrs.**		**Notes**
CORE Creative Arts *	3	TRUE	Any courses with the [KCRA] attribute, see core.tamu.edu
Social and Behavioral Sciences (3 Credit Hours)			
Course	**Hrs.**	**TRUE**	**Notes**
Social and Behavioral Sciences *	3		Any courses with the [KSOC] attribute, see core.tamu.edu
Citizenship (12 Credit Hours)			
Course	**Hrs.**	**TRUE**	**Notes**
CORE American History	3		Any courses with the [KHIST] attribute, see core.tamu.edu
CORE American History	3		
POLS 207	3		
General Electives (1 Credit Hour)			
Course	**Hrs.**	**TRUE**	**Notes**
General Elective	1		Any one hour undergraduate credit
High Impact Experience (0 Credit Hours)			
Course	**Hrs.**	**TRUE**	**Notes**
CSCE 399	0		Also referred to as ENGR[x]
International & Culture Diversity/Cultural Discourse			
Course	**Hrs.**	**TRUE**	**Notes**
International & Culture Diversity (ICD)	(3)		Any courses with the [KICD] attribute, see core.tamu.edu
Cultural Discourse (CD)	(3)		Any courses with the [KUCD] attribute, see core.tamu.edu
Foreign Language (0 Credit Hours)			
Course	**Hrs.**	**TRUE**	**Notes**
2 years of same foreign language			2 years high school or 2 terms college

Degree Plan Notes
Disclaimer: This is a planning tool only.
Use NAVIGATE to make advising appointments and talk to your advisor.
Degree Planners are due each year between March 1st and September 30th. They must specify all credits needed for the degree. Provide the concentration area and any planned transfer credits in the planner's comments section.
Prerequisites must be completed before taking courses, co-requisites must be completed before or may be taken concurrently, see catalog.tamu.edu for current requirements and restrictions.
BOLD and shaded background = C or higher grade required.
BOLD, italics, and shaded background = required for ETAM eligiblity; C or higher grade required.
* = Can overlap with ICD/CD requirements.
TAMU and Major GPA >= 2.0 required for graduation.

Created on 8/4/23

- Courses in blue require a C or better for completion.
- Courses in green box can overlap with an ICD or a CD credit.
- Visit your advising Canvas page for
  - Science Options
  - Supporting/emphasis area
  - Technical electives

BS-CPSC Technical Electives

Track 1: Algorithms and Theory

- **CSCE411: Analysis of Algorithms**
- CSCE433: Formal Languages and Automata
- CSCE440: Quantum Algorithms
- CSCE442: Scientific Programming

Although it is called an elective, CSCE411 is a firm degree requirement and a prerequisite for CSCE482 (senior capstone).

BS-CPSC Technical Electives

Track 2: Systems

- CSCE410: Operating Systems
- CSCE412: Cloud Computing
- CSCE416: Hardware Design and Verification
- CSCE426: Security of Embedded Systems
- CSCE456: Real-time Computing
- CSCE461: Embedded Systems for Medical Applications
- CSCE462: Microcomputer Systems
- CSCE463: Networks and Distributed Systems
- CSCE464: Wireless and Mobile Systems
- CSCE465: Computer and Network Security
- CSCE469: Advanced Computer Architecture

BS-CPSC Technical Electives

Track 3: Software

- CSCE429: Software Development, Globalization, and Culture Abroad
- CSCE430: Problem Solving Design
- CSCE431: Software Engineering
- CSCE434: Compiler Design
- CSCE435: Parallel Computing
- CSCE438: Distributed Object Programming
- CSCE451: Software Reverse Engineering

BS-CPSC Technical Electives

Track 4: Information and Intelligence Systems

- CSCE305: Computational Data Science
- CSCE310: Database Systems
- CSCE320: Principles of Data Science
- CSCE420: Artificial Intelligence
- CSCE421: Machine Learning
- CSCE432: Accessible Computing
- CSCE436: Computer-Human Interaction
- CSCE439: Data Analytics for Cybersecurity
- CSCE441: Computer Graphics
- CSCE443: Game Development

BS-CPSC Technical Electives, continued

- CSCE444: Structures of Interactive Information
- CSCE445: Computers and New Media
- CSCE446: Virtual Reality
- CSCE447: Data Visualization
- CSCE448: Computational Photography
- CSCE449: Applied Cryptography
- CSCE450: Computer Animation
- CSCE452: Robotics and Spatial Intelligence
- CSCE470: Information Storage and Retrieval

BS-CPSC 4-year flowchart

Example Four Year Flowchart for the BS in Computer Science 2023 Catalog

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
ENGR 102 (2)	ENGR 216/PHYS 216 (2)	CSCE 120 (3)	CSCE 221 (4)	CSCE 313 (4)	CSCE 411 (3)	CSCE Elective (3)	CSCE 482 (3)
CHEM 107 + 117 (4)	PHYS 206 (3)	CSCE 222 (3)	CSCE 312 (4)		CSCE 481 (1)	CSCE Elective (3)	CSCE Elective (3)
MATH 151 (4)	MATH 152 (4)	CSCE 181 (1)	CSCE 314 (3)	CSCE 331 (4)	CSCE Elective (3)	CSCE Elective (3)	UCC (3)
ENGL 103/104 (3)	UCC (3)	MATH 304 (4)	COMM 203, 205, or ENGL 210 (3)	STAT 211 (3)	MATH 251, 308 or STAT 212 (3)	CSCE Elective (3)	UCC (3)
UCC (3)	UCC (3)	Science (3)		UCC (3)		UCC (3)	
		General (1)	Emphasis (3)	Emphasis (3)	Science (3)	Emphasis (3)	Emphasis (3)
16 Credits	15 Credits	15 Credits	17 Credits	17 Credits	16 Credits	15 Credits	15 Credits

UCC = University Core Curriculum
→ = Prerequisite*
→ = Co-requisite*

** Always consult the University Catalog for current course prerequisites, co-requisites, and restrictions.*

Note on CSCE Seminar Timing (CSCE 181/481):

- Students are encouraged to take CSCE 181 early in the plan to better understand the degree program and get exposure to different areas in computing for later selection of Prescribed electives.
- Students are encouraged to take CSCE 481 during their junior year to prepare for internship and job interviews as well understand different career options after the baccalaureate degree.

Created on 8/4/23

The most important thing to note with this degree plan flow is the order of course prerequisites. When planning your classes each semester, and for your whole degree, you need to make sure that all prerequisites are being met. Course prerequisites can be found in the course catalog, and in the details on Howdy.

BS-CPEN degree (sample)

CSCE (18 + 6*)	ECEN (22 +9*)	MATH & STAT (20)	Science (10)	Core Curriculum (21)
120[1] (3) 222[1] (3) 221[1] (4) 313[1] (3) 331[1,2] (4) 481[1] (1)	248[1] (4) 214[1] (4) 314[1] (3) 350[1] (4) 325[1] (4) 454[1] (3)	151[1] (4) 152[1] (4) 251[1] (3) 308[1] (3) 311[1] (3) STAT 211[1] (3) or ECEN 303[1] (3)	CHEM 107[1] (3) CHEM 117[1] (1) PHYS 206[1] (3) PHYS 207[1] (3)	Lang, Phil & Cult: _____(3) Creative Arts: _____ (3) Soc & Behav Sci: _____ (3) American History _____ (3) _____ (3)
462[1] (3) or 449[1] (3) 483[1,2] (3) or 403[1,2] (3) + 404[1] (3)		**ENGR (6)**	**Communication (6)**	Govt/Political Science POLS 206 (3) POLS 207 (3)
High Impact Experience (0)		102[1] (2) 216[1] (2) 217[1] (2)	ENGL 103[1] (3) or 104[1] (3) ENGL 210[1] (3) or COMM 205[1] or COMM 243[1] (3)	
399 (0) or 399(0)				
Area Electives (12 or 15)		**Engr. Elective (3)**		**ICD/CD+**
Area I: _____ (3) _____ (3) Area I: _____ (3) _____ (3)* (only Area II: _____ (3) if taking CSCE 483)		_____ (3)		ICD _____ (3) CD _____ (3)
Total Hours: 128 (not including ICD/CD)				

*Depends on which courses are selected from (CSCE 462 or ECEN 449) and (CSCE 483 or ECEN 403+404).

+ICD/CD courses can simultaneously be used to fulfill other core curriculum requirements.

[1] A grade of C or better is required.

[2] UCRT/UWRT courses; CSCE 331 and (CSCE 483 or ECEN 403) must be completed.

- Indicated courses require a C or better, along with technical electives
- Courses in green box can overlap with ICD/CD; please visit this link for full list of core classes: https://core.tamu.edu/
- Visit your advising canvas page for details on
  - Area electives
  - Engineering elective

BS-CPEN Technical Electives

- Communications and networks
  - CSCE463: Networks and Distributed Processing
  - CSCE464: Wireless and Mobile Systems
  - CSCE465: Computer and Network Security
  - ECEN423: Computer and Wireless Networks
  - ECEN424: Fundamentals of Networking
  - ECEN434: Optimization for ECE Applications
  - ECEN455: Digital Communications
  - ECEN461: Electronic Noise
  - ECEN/CYBR466: Unconditionally Secure Electronics
  - ECEN478: Wireless Communications
  - MATH470: Communications and Cryptography

BS-CPEN Technical Electives, continued

- Data Science, Artificial Intelligence, and Machine Learning
  - CSCE305/ECEN360/STAT315: Computational Data Science
  - CSCE310: Database Systems
  - CSCE320/STAT335: Principles of Data Science
  - CSCE420: Artificial Intelligence
  - CSCE421/ECEN427/STAT421: Machine Learning
  - CSCE436: Computer Human Interaction
  - CSCE439: Data Analytics for Cybersecurity
  - CSCE447/VIST476: Data Visualization
  - CSCE470: Information Storage and Retrieval
  - ECEN434: Optimization for ECEN
  - ECEN446: Information Theory, Inference, and Learning Algorithms
  - ECEN455: Digital Communications

BS-CPEN Technical Electives, continued

- Signals and Systems, Graphics, and Robotics
  - CSCE441: Computer Graphics
  - CSCE443: Game Development
  - CSCE446/VIST477: Virtual Reality
  - CSCE448: Computational Photography
  - CSCE450: Computer Animation
  - CSCE452: Robotics and Spatial Intelligence
  - ECEN419: Genomic Signal Processing
  - ECEN420: Linear Control Systems
  - ECEN422: Control Engineering and Design Methodology
  - ECEN442: DSP Based Electromechanical Motion Control
  - ECEN444: Digital Signal Processing
  - ECEN447: Digital Image Processing
  - ECEN448: Real Time Digital Signal Processing

BS-CPEN Technical Electives, continued

- Software and Systems
  - CSCE314: Programming Languages
  - CSCE410: Operating Systems
  - CSCE411: Design and Analysis of Algorithms
  - CSCE412: Cloud Computing
  - CSCE413: Software Security
  - CSCE429: Software Development, Globalization and Culture Abroad
  - CSCE430: Problem Solving Programming Strategies
  - CSCE431: Software Engineering
  - CSCE432: Accessible Computing
  - CSCE434: Compiler Design
  - CSCE435: Parallel Computing
  - CSCE438: Distributed Systems
  - CSCE440: Quantum Algorithms
  - CSCE442: Scientific Programming
  - CSCE451: Software Reverse Engineering

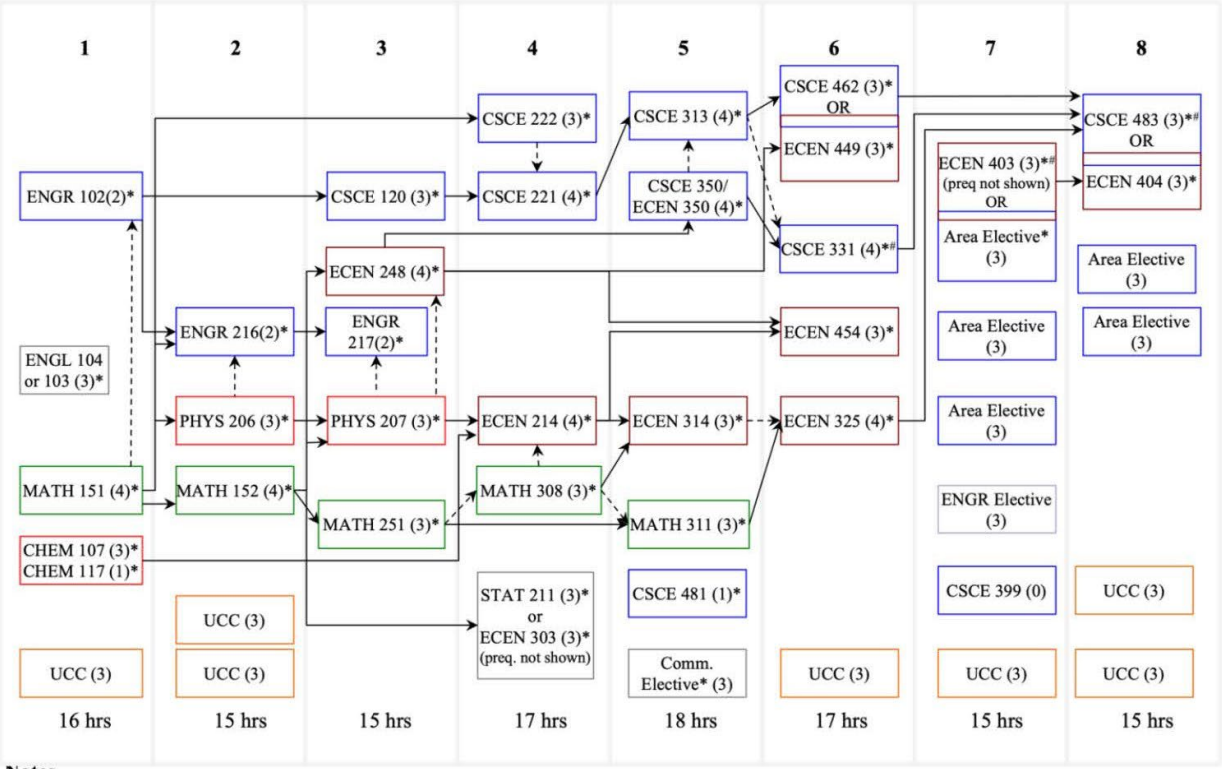
BS-CPEN Technical Electives, continued

- VLSI and Hardware Systems
  - CSCE/ECEN416: Hardware Design Verification
  - CSCE461/BMEN428: Embedded Systems for Medical Applications
  - CSCE462: Microcomputer Systems
  - CSCE/ECEN469: Advanced Computer Architecture
  - ECEN326: Electronic Circuits
  - ECEN428: Field Programmable Gate Arrays Information Processing Systems
  - ECEN449: Microprocessor System Design
  - ECEN468: Advanced Digital System Design
  - ECEN474: VLSI Circuit Design
  - ECEN475: Introduction to VLSI Systems Design

BS-CPEN Technical Electives, continued

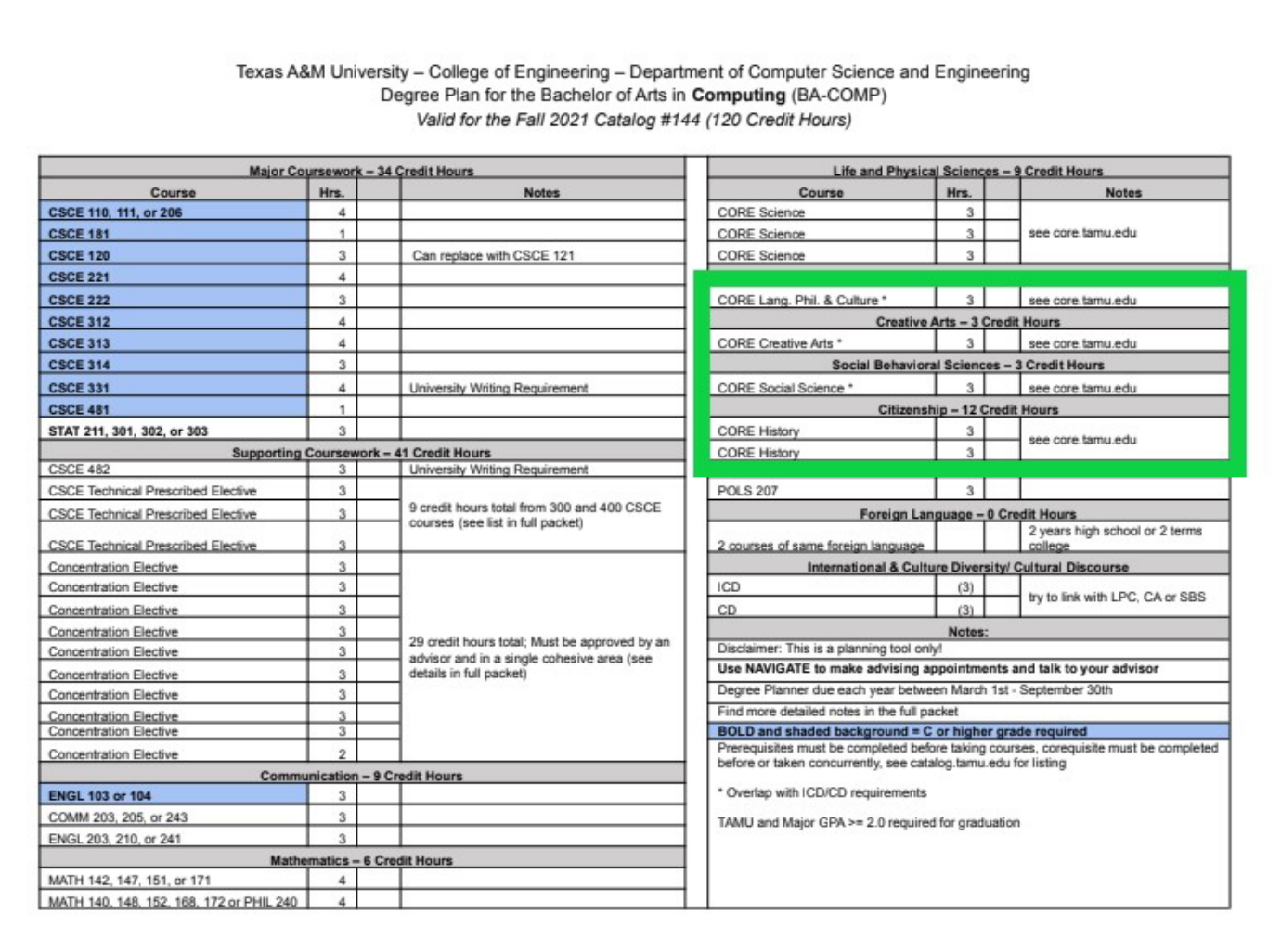
- Security
  - CSCE413: Software Security
  - CSCE439: Data Analytics for Cybersecurity
  - CSCE449: Applied Cryptography
  - CSCE451: Software Reverse Engineering
  - CSCE465: Computer and Network Security
  - CSCE/ECEN426: Security of Embedded Systems
  - ECEN/CYBR466: Unconditionally Secure Electronics
  - MATH470: Communications and Cryptography

BS-CPEN 4 year flowchart



The most important thing to note with this degree plan flow is the order of course prerequisites. When planning your classes each semester, and for your whole degree, you need to make sure that all prerequisites are being met. Course prerequisites can be found in the course catalog, and in the details on Howdy.

BA-CPSC degree (sample)



Texas A&M University – College of Engineering – Department of Computer Science and Engineering
Degree Plan for the Bachelor of Arts in **Computing** (BA-COMP)
Valid for the Fall 2021 Catalog #144 (120 Credit Hours)

Major Coursework – 34 Credit Hours			
Course	Hrs.		Notes
CSCE 110, 111, or 206	4		
CSCE 181	1		
CSCE 120	3		Can replace with CSCE 121
CSCE 221	4		
CSCE 222	3		
CSCE 312	4		
CSCE 313	4		
CSCE 314	3		
CSCE 331	4		University Writing Requirement
CSCE 481	1		
STAT 211, 301, 302, or 303	3		
Supporting Coursework – 41 Credit Hours			
CSCE 482	3		University Writing Requirement
CSCE Technical Prescribed Elective	3		9 credit hours total from 300 and 400 CSCE courses (see list in full packet)
CSCE Technical Prescribed Elective	3		
CSCE Technical Prescribed Elective	3		
Concentration Elective	3		29 credit hours total; Must be approved by an advisor and in a single cohesive area (see details in full packet)
Concentration Elective	3		
Concentration Elective	3		
Concentration Elective	3		
Concentration Elective	3		
Concentration Elective	3		
Concentration Elective	3		
Concentration Elective	3		
Concentration Elective	3		
Concentration Elective	2		
Communication – 9 Credit Hours			
ENGL 103 or 104	3		
COMM 203, 205, or 243	3		
ENGL 203, 210, or 241	3		
Mathematics – 6 Credit Hours			
MATH 142, 147, 151, or 171	4		
MATH 140, 148, 152, 168, 172 or PHIL 240	4		

Life and Physical Sciences – 9 Credit Hours			
Course	Hrs.		Notes
CORE Science	3		see core.tamu.edu
CORE Science	3		
CORE Science	3		
CORE Lang. Phil. & Culture *	3		see core.tamu.edu
Creative Arts – 3 Credit Hours			
CORE Creative Arts *	3		see core.tamu.edu
Social Behavioral Sciences – 3 Credit Hours			
CORE Social Science *	3		see core.tamu.edu
Citizenship – 12 Credit Hours			
CORE History	3		see core.tamu.edu
CORE History	3		
POLS 207	3		
Foreign Language – 0 Credit Hours			
2 courses of same foreign language			2 years high school or 2 terms college
International & Culture Diversity/ Cultural Discourse			
ICD	(3)		try to link with LPC, CA or SBS
CD	(3)		
Notes:			
Disclaimer: This is a planning tool only!			
Use NAVIGATE to make advising appointments and talk to your advisor			
Degree Planner due each year between March 1st - September 30th			
Find more detailed notes in the full packet			
BOLD and shaded background = C or higher grade required			
Prerequisites must be completed before taking courses, corequisite must be completed before or taken concurrently, see catalog.tamu.edu for listing			
* Overlap with ICD/CD requirements			
TAMU and Major GPA >= 2.0 required for graduation			

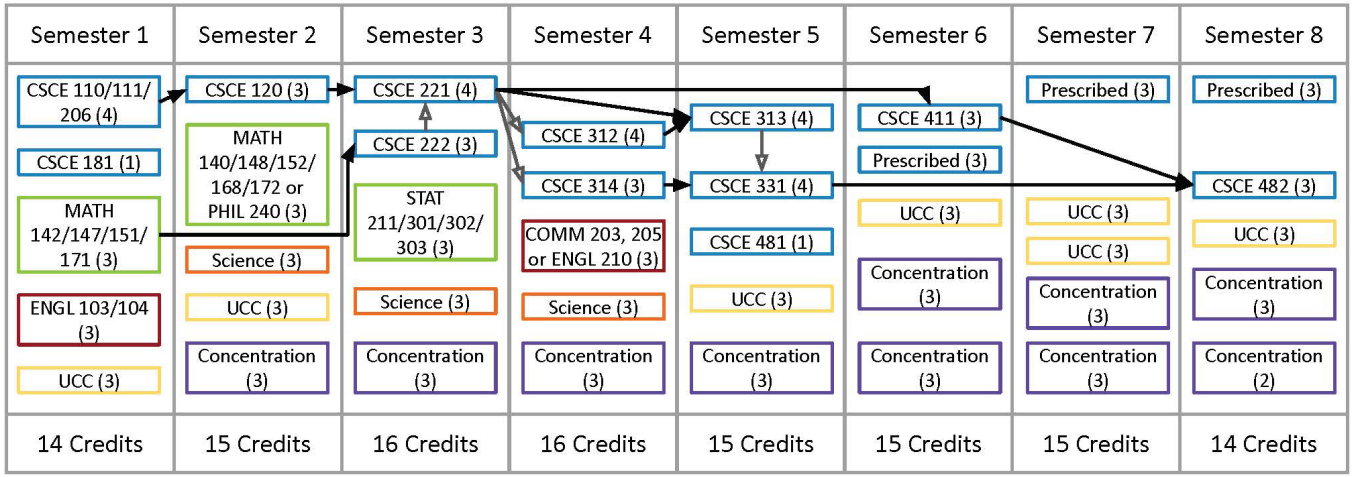
- Courses requiring a C or better are in blue boxes
- Green box core curriculum courses can overlap with ICD/CD requirements; please visit this link for core curriculum: https://core.tamu.edu/
- Visit your advising canvas page for details on
  - Supporting/emphasis area
  - Technical electives

BA-CPSC Technical Electives

- The options for BA-CPSC technical electives should be the same as those for the BS-CPSC degree. However, all elective choices must be made in consultation with your faculty advisor.

BA-CPSC 4 year flowchart

Example Four Year Flowchart for the BA in Computing 2024 Catalog



UCC = University Core Curriculum
= Prerequisite*
= Co-requisite*

** Always consult the University Catalog for current course prerequisites, co-requisites, and restrictions.*

Note on CSCE Seminar Timing (CSCE 181/481):

- Students are encouraged to take CSCE 181 early in the plan to better understand the degree program and get exposure to different areas in computing for later selection of Prescribed electives.
- Students are encouraged to take CSCE 481 during their junior year to prepare for internship and job interviews as well understand different career options after the baccalaureate degree.

Created on 9/9/24

The most important thing to note with this degree plan flow is the order of course prerequisites. When planning your classes each semester, and for your whole degree, you need to make sure that all prerequisites are being met. Course prerequisites can be found in the course catalog, and in the details on Howdy.

CPSC degrees: BA vs. BS

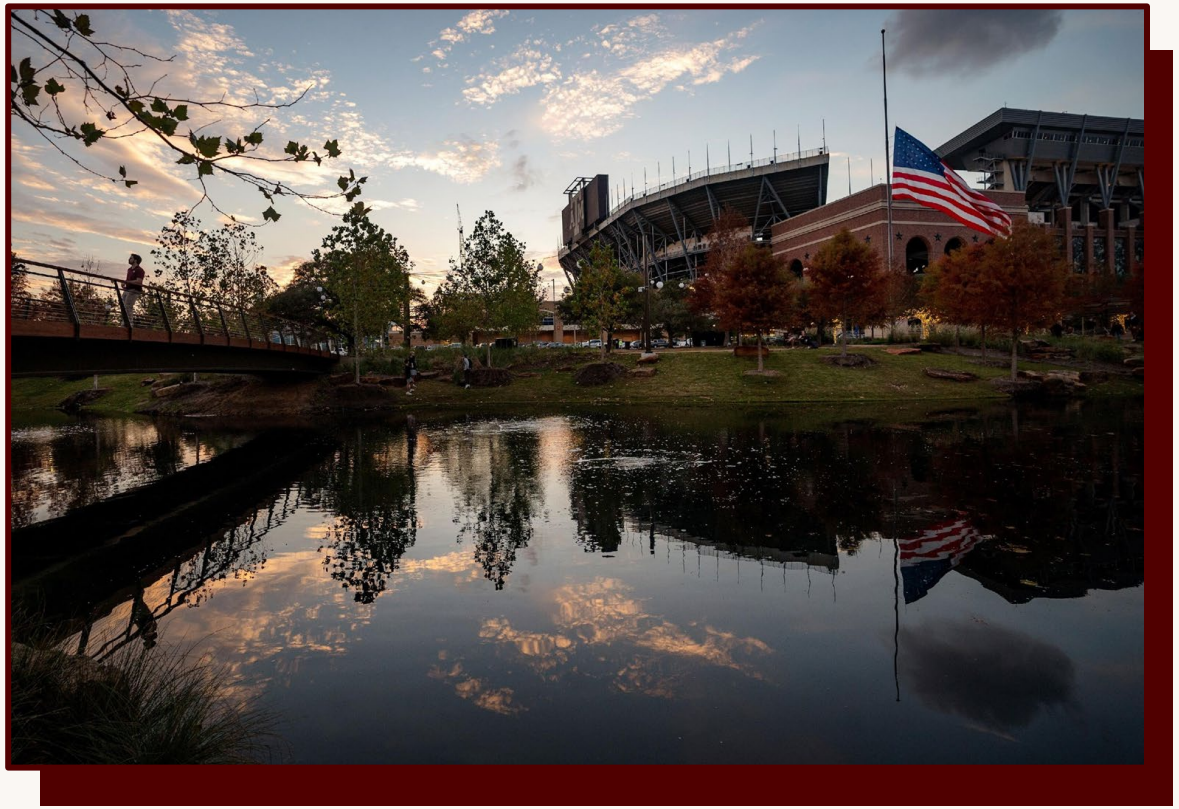
- No common freshman engineering first-year programming for BA students
- Identical foundational courses at 100, 200, and 300 level, with the addition; ENGR102 for BS students, CSCE110/111/206 for BA students
- Fewer 300-400 level CSCE electives required for BA students
- 29 credits of concentration electives for BA students vs. 12 credits of emphasis area electives for BS students
  - BA students should be used to develop a secondary specialty
- Fewer math credits required for BA students, more choices
- Fewer science credits required for BA students, more choices
- One additional communication requirement for BA students
- Students in the BA program will submit a supplementary degree plan for supporting area approval

Enhancing your degree: ENGR[x]*

Examples of the HIE include:

- Study Abroad
- Engineering Honors program or CSCE honors classes
- Research with a professor
- Internships/co-ops
- Graduate CSCE courses (or ECEN, for CPEN)
- STEM to Stocks
- Significant leadership activities in service of the department; these must be individually approved

- *BA-CPSC students are not required to complete ENGR[x], but we still encourage participation in high-impact experiences



Useful Information

NSC NEW STUDENT CONFERENCE

Academic Deficiency

- Scholastic deficiency: acquiring term GPA < 2.0 or cumulative GPA < 2.0 (other situations possible)
- Student must remove deficiency within 1-3 semesters to avoid being dismissed from the Department or the College
- To view the College of Engineering's policy on probation and dismissal, please visit https://engineering.tamu.edu/academics/resources/probation.html

Repeating courses

- Student rule 10 indicates that a student is not allowed to take a class more than three times without permission from the department AND college.
- After attempting a course twice, students will be placed on probation, and they must meet with an advisor by the end of the 2nd week of the new semester.
- After attempting a course three times, students will be dismissed from the department. Students are allowed to appeal to the department and college, but appeals are not guaranteed.

Degree evaluations and degree planners

NSC NEW STUDENT CONFERENCE

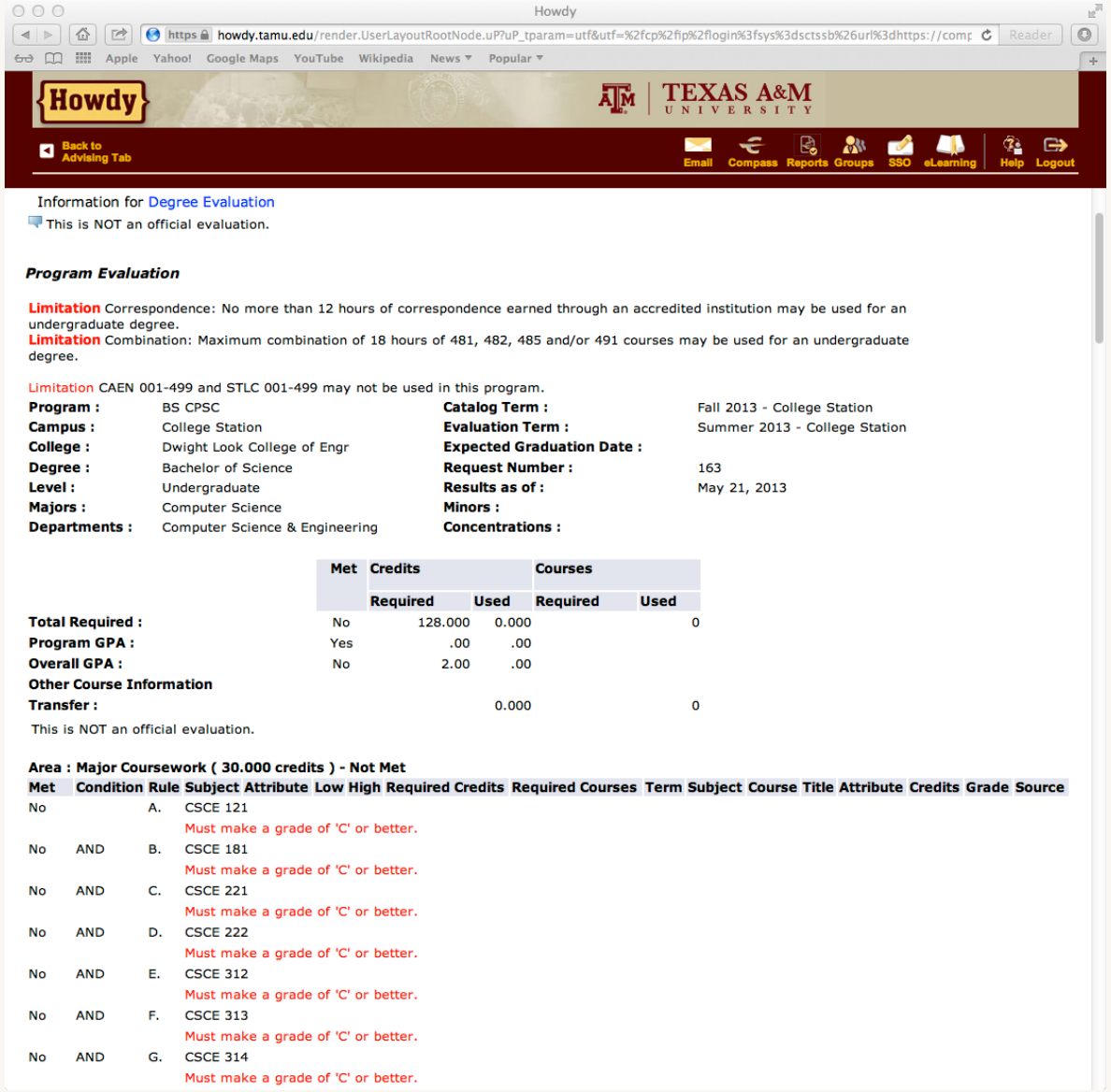
Undergraduate Degree Planners

- Students are required to get their degree plan approved by the fall following their entry (or they will be blocked from registration in the following spring)
- Student guide available on Howdy
- Template with courses available as a starting point, along with material on our Canvas page.
- Tips
  - Prerequisite Check tab: check prerequisites are met
  - Degree Evaluation tab: check that you have courses planned for every degree requirement
  - Include comments explaining any unmet requirements
    - E.g., planner not recognizing approved course
    - Some electives (BA-CPSC/BS-CPEN/BS-CPSC) and supporting area coursework may not be recognized by the planner, but they may still be used.

Degree evaluations

- You will frequently find it useful to run a degree evaluation to determine what classes are credited and which remain
  - **This** is what your graduation is based on, not your planner.
  - Select degree evaluation in Howdy
  - Select your catalog year
  - Select your upper division major: “BS CPSC” or “BS CPEN” or “BA CPSC”
  - Follow the links through to generate the request
  - Select “Detail Requirements”
  - Note that items requiring decisions by our office won’t be shown until we are able to submit a manual request. These include courses transferred “by title,” supporting area electives, etc. These courses will be shown in the “Work Not Applied” until adjustments are submitted.

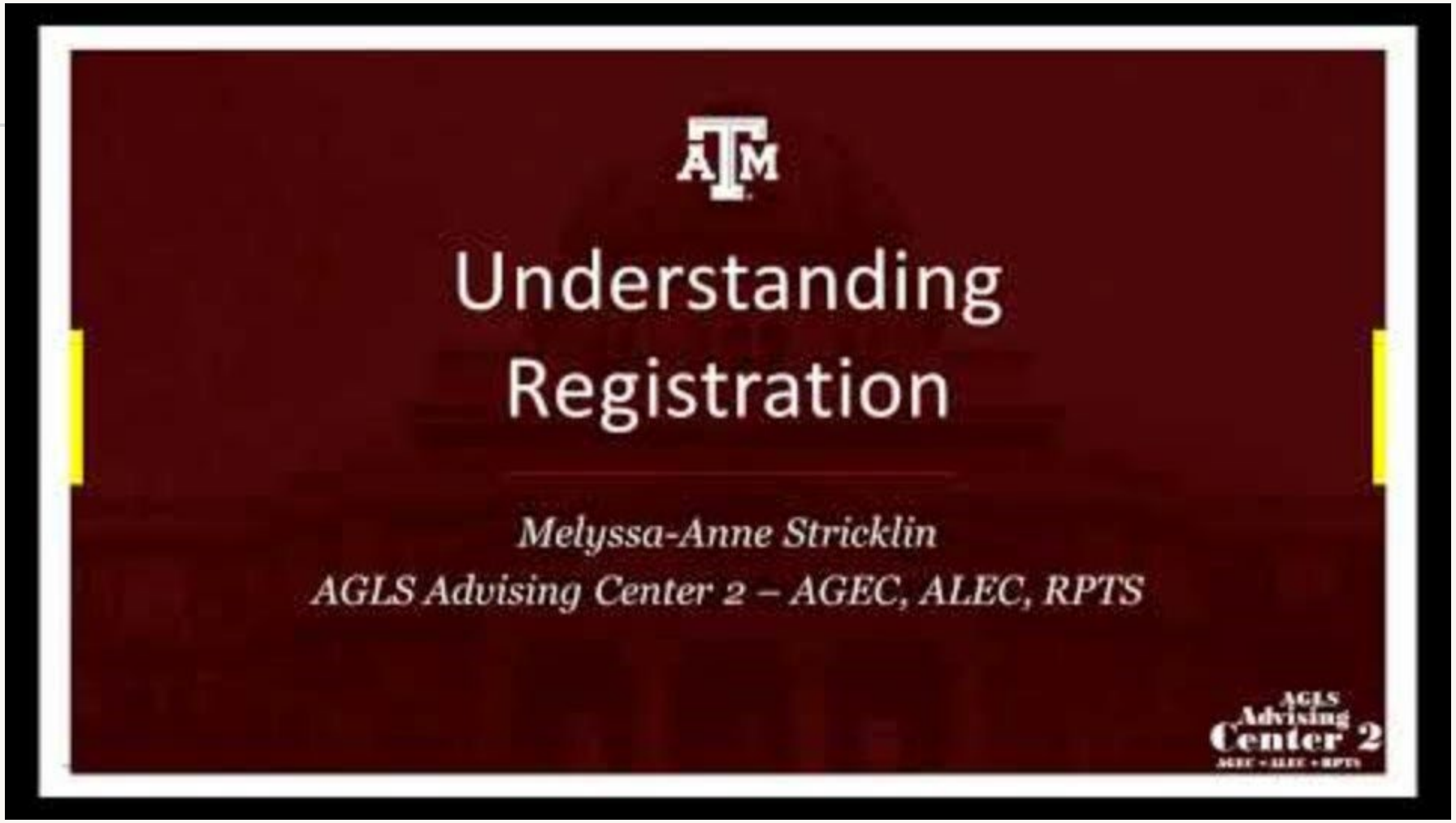
Degree evaluation view



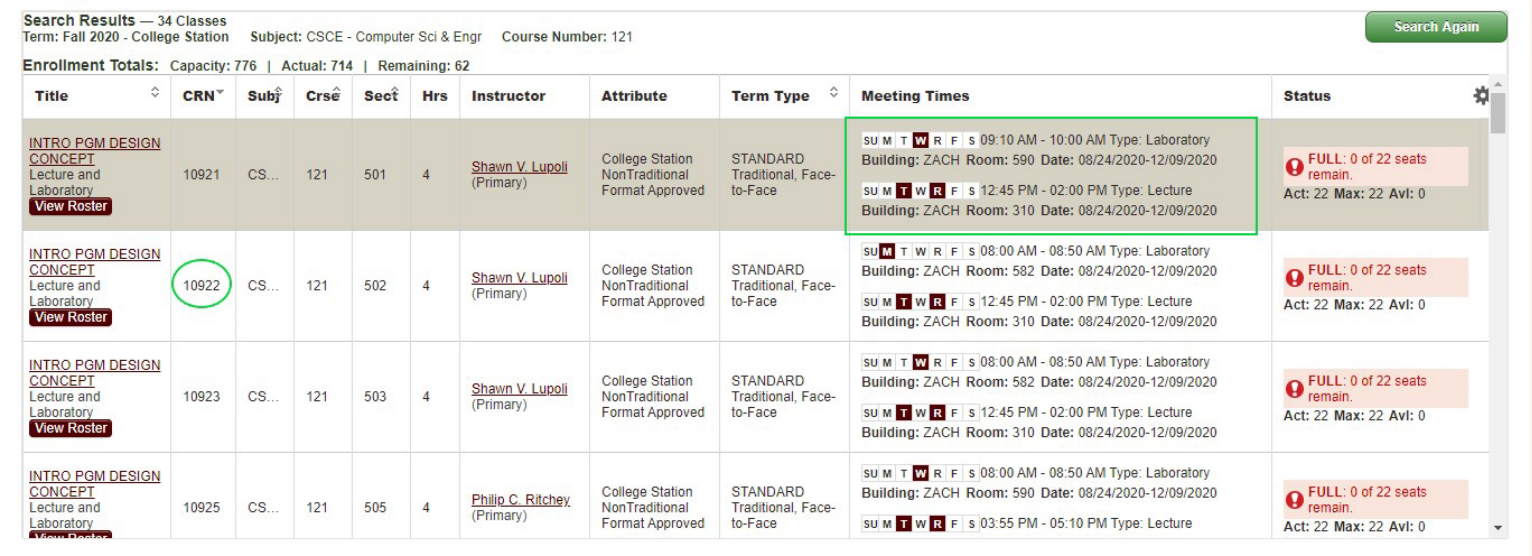
Registration to-do list

NSC NEW STUDENT CONFERENCE

Aggie Schedule Builder



Registration To-Do List



Search Results — 34 Classes
Term: Fall 2020 - College Station **Subject:** CSCE - Computer Sci & Engr **Course Number:** 121

Search Again

Enrollment Totals: Capacity: 776 | Actual: 714 | Remaining: 62

Title	CRN	Subj	Crse	Sect	Hrs	Instructor	Attribute	Term Type	Meeting Times	Status
INTRO PGM DESIGN CONCEPT Lecture and Laboratory View Roster	10921	CS...	121	501	4	Shawn V. Lupoli (Primary)	College Station NonTraditional Format Approved	STANDARD Traditional, Face-to-Face	SU M T W R F S 09:10 AM - 10:00 AM Type: Laboratory Building: ZACH Room: 590 Date: 08/24/2020-12/09/2020 SU M T W R F S 12:45 PM - 02:00 PM Type: Lecture Building: ZACH Room: 310 Date: 08/24/2020-12/09/2020	FULL: 0 of 22 seats remain. Act: 22 Max: 22 Avl: 0
INTRO PGM DESIGN CONCEPT Lecture and Laboratory View Roster	10922	CS...	121	502	4	Shawn V. Lupoli (Primary)	College Station NonTraditional Format Approved	STANDARD Traditional, Face-to-Face	SU M T W R F S 08:00 AM - 08:50 AM Type: Laboratory Building: ZACH Room: 582 Date: 08/24/2020-12/09/2020 SU M T W R F S 12:45 PM - 02:00 PM Type: Lecture Building: ZACH Room: 310 Date: 08/24/2020-12/09/2020	FULL: 0 of 22 seats remain. Act: 22 Max: 22 Avl: 0
INTRO PGM DESIGN CONCEPT Lecture and Laboratory View Roster	10923	CS...	121	503	4	Shawn V. Lupoli (Primary)	College Station NonTraditional Format Approved	STANDARD Traditional, Face-to-Face	SU M T W R F S 08:00 AM - 08:50 AM Type: Laboratory Building: ZACH Room: 582 Date: 08/24/2020-12/09/2020 SU M T W R F S 12:45 PM - 02:00 PM Type: Lecture Building: ZACH Room: 310 Date: 08/24/2020-12/09/2020	FULL: 0 of 22 seats remain. Act: 22 Max: 22 Avl: 0
INTRO PGM DESIGN CONCEPT Lecture and Laboratory View Roster	10925	CS...	121	505	4	Philip C. Ritchey (Primary)	College Station NonTraditional Format Approved	STANDARD Traditional, Face-to-Face	SU M T W R F S 08:00 AM - 08:50 AM Type: Laboratory Building: ZACH Room: 590 Date: 08/24/2020-12/09/2020 SU M T W R F S 03:55 PM - 05:10 PM Type: Lecture	FULL: 0 of 22 seats remain. Act: 22 Max: 22 Avl: 0

Registration will proceed much faster if you:

- Decide on courses you want to take
- Find Sections on Howdy with available seats that fit your schedule
- Pay attention to all times and days listed
- Pay attention to all section restrictions and details

Registration, continued

- We will provide you with a list of specific classes (or types of classes) to take, based on what we see on your incoming transcript.
- We are not able to guarantee seats in other departments.
- We know that this will be a frustrating process, and we share your frustration. We promise future registration sessions will be easier!

Clearing Holds

- Tuition Rate Selection: select tuition rate code code from “My Finances” tab on howdy
- Bacterial Meningitis Immunization: Contact ADMI at 979-845-1060
- Check-In at ISS:
  - Phone: 979-845-1151
- Tuberculosis Screening: Student Health 979-458-8310
- Engl. Proficiency Not Verified: let us know!

Thanks & Gig 'em!

Contact Us

471 Houston St.

979.845.5826

979.256.1311

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