

**NC STATE**

Engineering



**COLLEGE OF ENGINEERING**  
**TRANSFER STUDENT**  
**ORIENTATION**  
**2016**





# WELCOME TO NC STATE

## Welcome to Transfer Student Orientation!

**Go ahead – give yourself a round of applause.** You’ve done a wonderful job in your college courses, excelling both inside and outside the classroom. Now, it’s time to begin the next chapter of your life as you pursue a degree in engineering. Transfer students are a valuable part of our NC State community and we look forward to your success!

From the moment you begin Orientation to the time you turn your tassel at graduation, dedicated faculty and staff are here to help ensure your success. Our students don’t journey alone.

To get started, we’re providing this orientation guide to give you a jump start on College of Engineering transfer orientation. Our hope is that you will review the information carefully, noting your important questions along the way so that we can address them during the College of Engineering transfer orientation session. We understand that you may have some concerns, but we do ask that you **hold ALL questions for your orientation session**. College of Engineering advisors will not be able to address individual concerns by email in a timely fashion. And, odds are, if you have a question, another transfer student will too. Asking these questions together as a transfer cohort at the College of Engineering transfer orientation will be the most effective way to disseminate important information.

We can’t wait to see how you’ll make a difference.

Best wishes for a successful fall semester!

The NC State Engineering Team

**Student success — your success — is our number one priority.**

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# WELCOME FROM THE DEAN



Welcome to NC State!

You have arrived on campus at an exciting time for the College of Engineering. There are big shoes to fill. The students who have come before you have gone on to become CEOs, astronauts and leading researchers. They have turned their ideas into life-changing products through undergraduate research and senior design projects. They study and serve abroad, representing the College and becoming globally minded problem solvers. Now, it's your turn.

Our faculty and staff are fully engaged in preparing you — the next generation of engineers — to solve the Grand Challenges for Engineering for the 21st century identified by the National Academy of Engineering.

They include vital tasks like providing access to clean water, securing cyberspace, restoring urban infrastructure and engineering better medicines.

You have been accepted into one of the top colleges of engineering in the nation. NC State is one of the only colleges of engineering in the country to lead two National Science Foundation Engineering Research Centers — the FREEDM Systems Center and the ASSIST Center — at once. Our faculty members are playing a major role leading the PowerAmerica Next Generation Power Electronics National Manufacturing Innovation Institute, which will spur the development of wide bandgap semiconductor technology.

Our faculty and students are developing a smarter power grid and inventing wearable health monitoring systems. They are tackling cancer, working to keep nuclear weapons out of the wrong hands and improving sanitation in the Third World. If being in the middle of this kind of important work sounds like fun, you have come to the right place.

Ahead of you are challenging courses taught by leading faculty that will inspire you and help you to think differently. It will mean long hours and intense studying, but you'll come away with an engineering degree that will prepare you for whatever awaits you in the next phase of your life.

While you are here, I encourage you to enjoy everything that college life has to offer, including the chance to make lifelong friends. You'll be spending the next few years in an area acknowledged on many lists and by many publications as one of the best in the United States in which to live. Centennial Campus and the amazing James B. Hunt Jr. Library are some of the best university facilities in the world.

From internships to study-abroad and service opportunities, your time on campus is sure to help you develop your full potential.

It's a transformative journey, and it all starts here.

*Louis A. Martin-Vega, Ph.D., P.E.*

Dean



# ADVISING

# ACADEMIC ADVISORS

## **AEROSPACE ENGINEERING**

Cheryl Tran  
cheryl\_tran@ncsu.edu  
919.513.7687  
3205 Engineering Building III

## **BIOLOGICAL ENGINEERING**

Dr. Andy Hale  
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919.515.6760  
108 Weaver Hall

## **BIOMEDICAL ENGINEERING**

Dr. Lianne A. Cartee  
lacartee@ncsu.edu  
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4016 Engineering Building III

## **CHEMICAL AND BIOMOLECULAR ENGINEERING**

Dr. Lisa G. Bullard  
lisa\_bullard@ncsu.edu  
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2012 Engineering Building I

## **CIVIL ENGINEERING**

Dr. Tarek Aziz  
tnaziz@ncsu.edu  
919.515.1562  
203B Mann Hall

## **COMPUTER ENGINEERING**

Cecilia W. Townsend  
cwt@ncsu.edu  
919.515.5087  
3006 Engineering Building II

## **COMPUTER SCIENCE**

Dr. Barbara Jasmine Adams  
barbara\_adams@ncsu.edu  
919.513.7888  
1204 Engineering Building II

## **CONSTRUCTION ENGINEERING**

Dr. Tarek Aziz  
tnaziz@ncsu.edu  
919.515.1562  
203B Mann Hall

## **ELECTRICAL ENGINEERING**

Cecilia W. Townsend  
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## **ENGINEERING (GENERAL)**

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118 Page Hall

## **ENVIRONMENTAL ENGINEERING**

Dr. Tarek Aziz  
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## **INDUSTRIAL AND SYSTEMS ENGINEERING**

Dr. Anita R. Vila-Parrish  
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410 Daniels Hall

## **MATERIALS SCIENCE AND ENGINEERING**

Dr. Cheryl Parzel Cass  
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3002B Engineering Building I

## **MECHANICAL ENGINEERING**

Cheryl Tran  
cheryl\_tran@ncsu.edu  
919.513.7687  
3205 Engineering Building III

## **NUCLEAR ENGINEERING**

Lisa Marshall  
lisa.marshall@ncsu.edu  
919.515.5876  
3150 Burlington Labs

## **PAPER SCIENCE AND ENGINEERING**

Dr. Med V. Byrd Jr.  
med\_byrd@ncsu.edu  
919.515.5790  
2205 Biltmore Hall

## **TEXTILE ENGINEERING**

Liz Moran  
liz\_moran@ncsu.edu  
919.515.0030  
3404 College of Textiles

Heather Lyerly  
heather\_lyerly@ncsu.edu  
919.515.8578  
3405 College of Textiles

# COLLEGE OF ENGINEERING TRANSFER ADVISOR (ACADEMIC AFFAIRS, PAGE HALL)

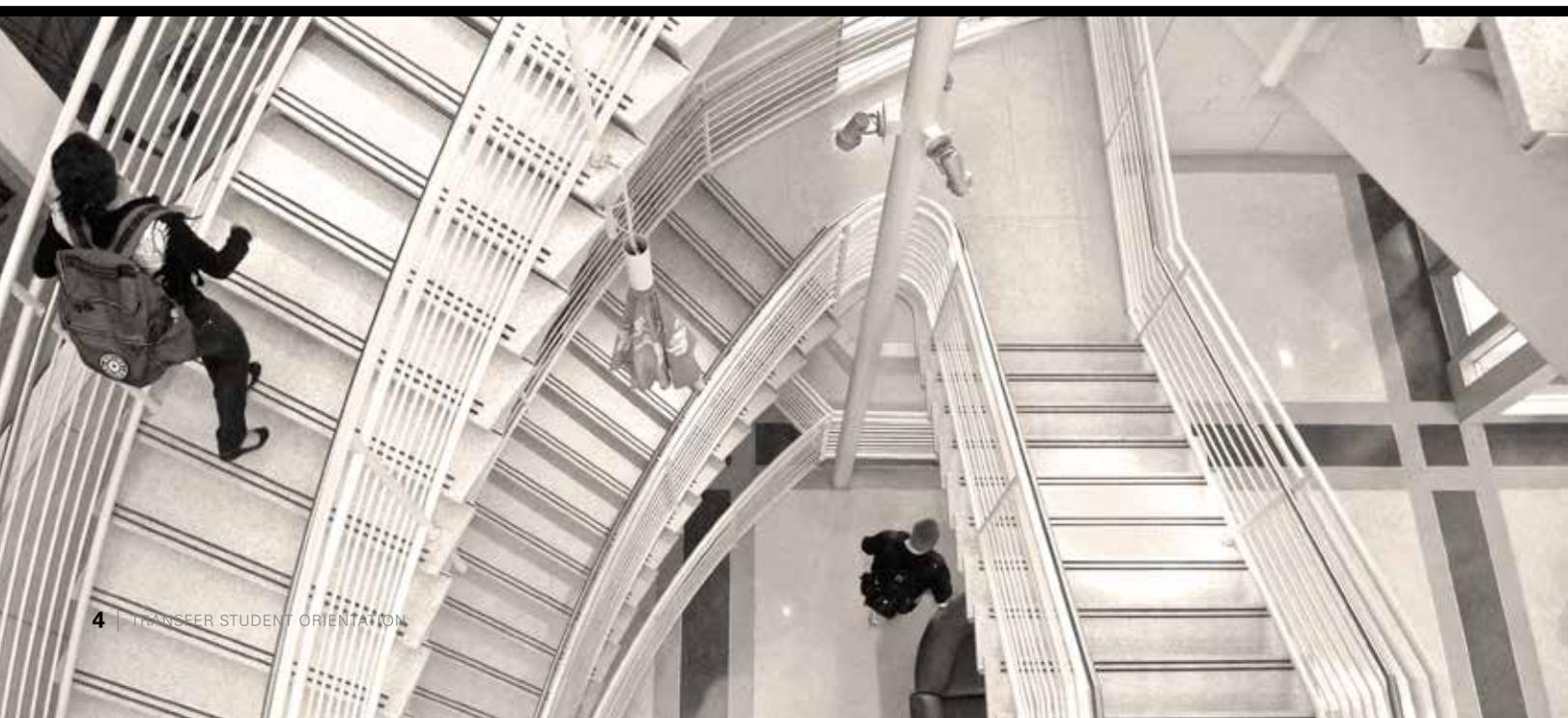
A College of Engineering Academic Affairs advisor only advises transfer students in “special” cases. Examples include a student with only 3 hours of English composition, but with the accelerated version, or a student with international credits or GEP credit from non-NC Community College institutions. You should only contact an Academic Affairs advisor for these transfer-specific issues **after** your transfer orientation session.

[www.engr.ncsu.edu/about/contact/aa-contact](http://www.engr.ncsu.edu/about/contact/aa-contact)

# DEPARTMENTAL COORDINATOR OF ADVISING

All engineering departments have a Coordinator of Advising. Though this person may not advise all students in the department, (s)he oversees academic advising in that department. You may be assigned this person as your advisor or you may be assigned a faculty member as your advisor. Regardless, the departmental Coordinator of Advising is the expert advisor for your specific engineering curriculum and may be contacted with questions. Either the departmental Coordinator of Advising or an assigned departmental faculty member will be your official academic advisor until you graduate.

[www.engr.ncsu.edu/academics/undergrad/advisors](http://www.engr.ncsu.edu/academics/undergrad/advisors)





DATES AND TERMS

# CHECKLIST | FALL 2016

## July

- Transfer Student Orientation
- Register for fall classes  
<https://registrar.ncsu.edu/calendars/>
- Learn about your engineering program

## August

- Finalize your fall schedule
- Participate in Wolfpack Welcome Week
- Begin the first day of the fall semester
- Join a student organization  
[students.engr.ncsu.edu/orgs](http://students.engr.ncsu.edu/orgs)
- Apply for Alternative Service Break

## September

- Apply for externships  
[careers.ncsu.edu](http://careers.ncsu.edu)
- Tutoring
- Apply to study abroad in Summer 2017  
[studyabroad.ncsu.edu](http://studyabroad.ncsu.edu)
- Attend the NC State Engineering Career Fair  
[students.engr.ncsu.edu/careerfair](http://students.engr.ncsu.edu/careerfair)

**NO CLASSES: LABOR DAY**

## October

- Apply for an internship and/or co-op  
[careers.ncsu.edu](http://careers.ncsu.edu)
- Participate in an externship
- Seek academic advising for spring
- Pre-register for spring classes

**NO CLASSES: FALL BREAK**

## November

- Prepare for final exams

**NO CLASSES: THANKSGIVING**

## December

- Apply for an on-campus job
- Apply to the Engineering Ambassadors team
- Apply for College of Engineering scholarships  
[www.engr.ncsu.edu/academics/undergrad/scholarships](http://www.engr.ncsu.edu/academics/undergrad/scholarships)

# KEY TERMS

**AUDIT:** a grading option that allows you to sit in on a class; results in an AU (audit) or NR (no recognition) grade on your transcript; **under no circumstance will an audited course count toward any degree requirement.**

**C WALL:** courses identified as “C wall” must be completed with a C or better.

**C- WALL:** courses identified as “C minus wall” must be completed with a C- or better.

**CENSUS DATE:** last day to add a course (requires instructor permission). Last day for tuition refunds due to dropping a course or changing from credit to audit. Last day for undergraduate students to drop below 12 hours or to drop a course without a W grade. This date is the 10th day of classes for fall/spring and 3rd day of classes in summer sessions.

**CHANGE OF DEGREE AUDIT (CODA):** the process by which a student applies to change his/her major.

**COREQUISITE:** a course that must be taken simultaneously (or prior to) another course; for example, E 115 and MA 141 are corequisites of CSC 112 (Fortran), meaning that a student must take E 115 and MA 141 either concurrently or prior to starting CSC 112.

**COURSE/SECTION RESTRICTIONS:** criteria limiting who can enroll in certain classes/sections of a course; for example, STS 302H in the fall semester is restricted to Benjamin Franklin Scholars. Click on the word “restriction” to see how the course is restricted.

**CREDIT HOUR:** a measure of the academic “value” of a course; to be full time, a student must be enrolled in 12 credit hours per semester; to be in compliance with the university’s Progress Toward Degree policy, a student must complete a minimum of 24 credit hours toward his/her degree each academic year.

**CREDIT ONLY:** a grading option that allows you to earn satisfactory/unsatisfactory (S/U) instead of a letter grade; courses taken as credit only do not affect your NC State GPA. Within engineering curricula, only E 115 and HES (physical education) courses may be taken as credit only and still count toward degree requirements. **Consult an advisor before switching to credit-only grading.**

**DEGREE AUDIT:** a personal record of your progress toward graduation; the listing includes courses that are complete (denoted with a green check), in progress (denoted with a yellow diamond), planned (denoted with a blue star) and not yet complete (denoted with a red x).

**ENGINEERING AMBASSADOR (EA):** upper-class engineering students who support the College of Engineering. Ambassadors may serve as co-presenters at College information sessions or host at the College’s Explore Engineering; all sections of E 101 will have Engineering Ambassadors serving as teaching assistants (TA).

**ENROLLMENT DATE:** the earliest date and time that a student may register for courses for the upcoming semester(s); plan to meet with your advisor prior to your enrollment date (listed in MyPack portal).

**GENERAL EDUCATION PROGRAM (GEP):** courses that fulfill university graduation requirements; categories include math, science, humanities, social sciences, interdisciplinary perspectives, English composition, foreign language, and health/exercise sciences (PE). A summary of GEP options available to engineering students can be found in this booklet and online.

**MYPACK PORTAL:** the online student information system where you can monitor your classes, grades, progress toward degree, financial aid, parental access, etc. Access MyPack portal at [www.ncsu.edu](http://www.ncsu.edu) by clicking on the red “Resources” tab at the top of the page.

**PREREQUISITE:** a course that must be taken prior to another course; for example, MA 141 is a prerequisite to MA 241, meaning that a student must have already taken or have credit for MA 141 prior to starting MA 241.

**WAITLIST:** a list of students waiting to gain entrance into a course; there is no guarantee of enrollment in the course.

**WITHDRAWAL:** withdrawing/dropping a course after census date will result in a “W” reported on transcript.



DEGREES



# ENGINEERING DEPARTMENTS, DEGREES AND CONCENTRATIONS

DEPARTMENT	DEGREE	CONCENTRATION <i>(optional)</i>	SPECIALIZATION
<b>BIOLOGICAL AND AGRICULTURAL ENGINEERING (BAE)</b>	Biological Engineering (BE)	<ul style="list-style-type: none"> <li>▶ Agricultural</li> <li>▶ Bioprocess</li> <li>▶ Ecological</li> <li>▶ Environmental</li> </ul>	—
<b>BIOMEDICAL ENGINEERING (BME)</b>	Biomedical Engineering (BME)	—	Biomaterials, Bioinstrumentation, Biomechanics
<b>CHEMICAL AND BIOMOLECULAR ENGINEERING (CBE)</b>	Chemical Engineering (CHE)	<ul style="list-style-type: none"> <li>▶ Biomanufacturing Science</li> <li>▶ Biomolecular</li> <li>▶ Honors</li> <li>▶ Nanoscience</li> <li>▶ Sustainable Engineering, Energy and Environment</li> </ul>	—
<b>CIVIL, CONSTRUCTION, AND ENVIRONMENTAL ENGINEERING (CCEE)</b>	Civil Engineering (CE) Construction Engineering (CON) <i>(concentration required)</i> Environmental Engineering (ENE)	— <ul style="list-style-type: none"> <li>▶ General Construction</li> <li>▶ Mechanical Construction</li> </ul> —	Civil - Coastal Engineering and Water Resources, Computing and Systems, Construction Engineering, Environmental Engineering, Geotechnical Engineering, Structural Engineering, and Transportation Engineering
<b>COMPUTER SCIENCE (CSC)</b>	Computer Science (CSC)	<ul style="list-style-type: none"> <li>▶ Game Development</li> </ul>	—
<b>ELECTRICAL AND COMPUTER ENGINEERING (ECE)</b>	Computer Engineering (CPE) Electrical Engineering (EE)	— <ul style="list-style-type: none"> <li>▶ Renewable Electric Energy Systems</li> </ul>	—
<b>FOREST BIOMATERIALS (FB)</b>	Paper Science and Engineering (PSE)	—	—
<b>INDUSTRIAL AND SYSTEMS ENGINEERING (ISE)</b>	Industrial Engineering (IE)	—	Health Systems (Certificate Program)
<b>MATERIALS SCIENCE AND ENGINEERING (MSE)</b>	Materials Science and Engineering (MSE)	<ul style="list-style-type: none"> <li>▶ Biomaterials</li> <li>▶ Nanomaterials</li> </ul>	—
<b>MECHANICAL AND AEROSPACE ENGINEERING (MAE)</b>	Aerospace Engineering (AE) Mechanical Engineering (ME)	— —	—
<b>NUCLEAR ENGINEERING (NE)</b>	Nuclear Engineering (NE)	—	—
<b>TEXTILE ENGINEERING, CHEMISTRY AND SCIENCE (TECS)</b>	Textile Engineering (TE) <i>(concentration required)</i>	<ul style="list-style-type: none"> <li>▶ Chemical Processing</li> <li>▶ Information Systems</li> <li>▶ Product Engineering</li> </ul>	—

# CHANGE OF DEGREE AUDIT (CODA)

Change of Degree Audit (CODA) is the process by which an NC State student officially joins a degree-seeking engineering major. Students earning the minimum grades listed below and meeting other EFY program and University requirements are guaranteed a seat in one of the engineering departments at NC State. To determine if you are CODA'ed, after you have been assigned an advisor in MyPack portal, go to your degree audit. If your degree audit plan is a B.S. in engineering, you are CODA'ed!

## OFFICIALLY JOINING A DEPARTMENT

### STEP 1: COMPLETE REQUIRED COURSES

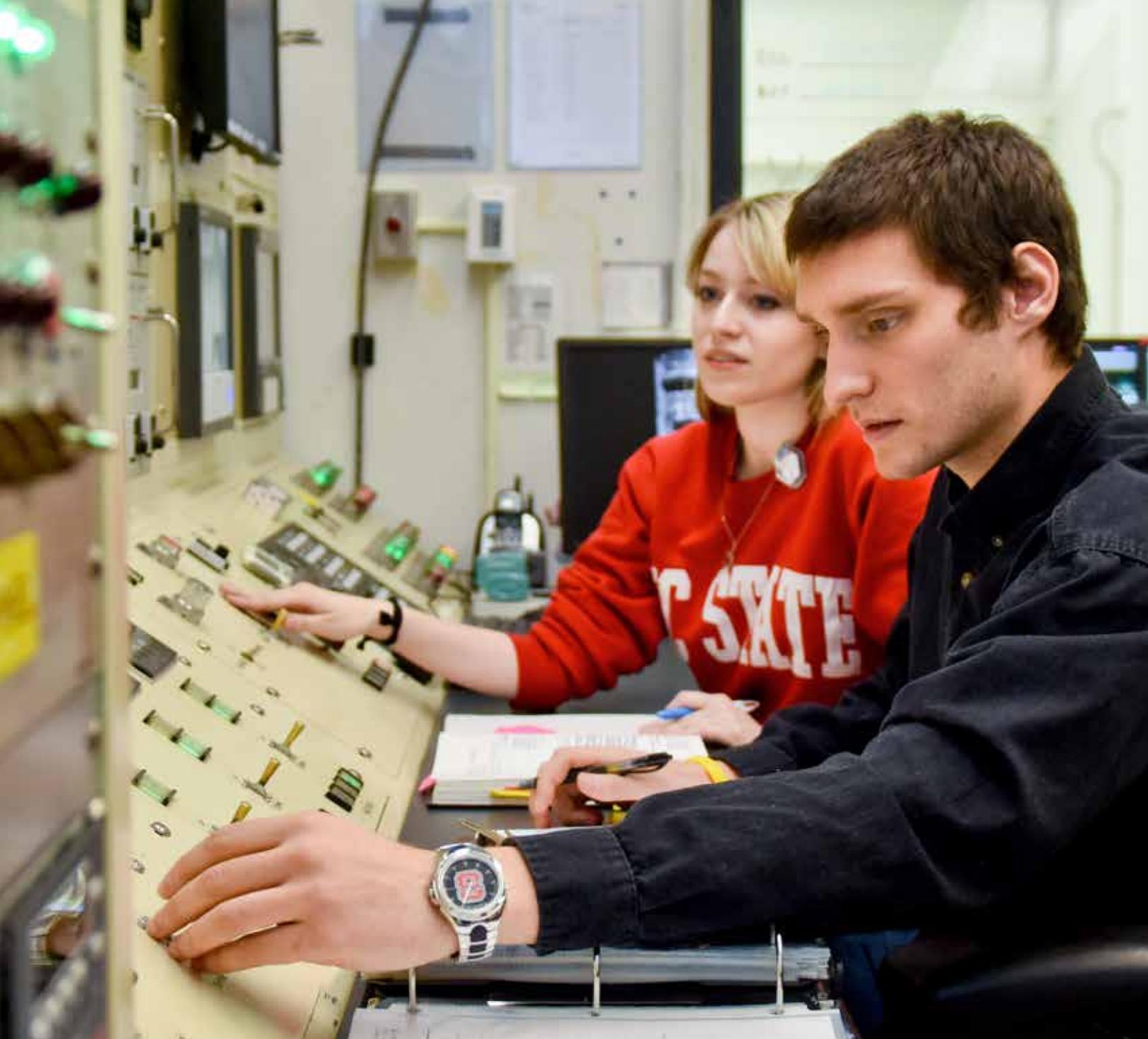
<b>CH 101 + 102</b>	<b>C or better</b>	<b>ACADEMIC PERFORMANCE</b>
<b>MA 141</b>	<b>C or better</b>	
<b>MA 241</b>	<b>C or better</b>	
<b>PY 205 + 206</b>	<b>C or better</b>	
<b>ENG 101</b>	<b>C- or better</b>	
<b>E 101</b>	<b>C- or better</b>	
<b>E 115</b>	<b>S</b>	

### STEP 2: APPLY FOR A SEAT IN A DEPARTMENT

Those of you who have not met the CODA requirements will be designated as Engineering First Year (EFY) in your degree audits. If this is the case, you:

- Must take the required CODA courses your first semester
- Are not yet eligible to take certain higher level engineering/computer science courses in your degree program
- Are not yet eligible for the co-op program
- Are not yet eligible for departmental scholarships

[www.engr.ncsu.edu/academics/undergrad/coda](http://www.engr.ncsu.edu/academics/undergrad/coda)



# COURSES

# ENGINEERING | E 101 AND E 115

## E 101 – INTRO TO ENGINEERING AND PROBLEM SOLVING

Introduction to Engineering is a 1 credit hour course designed for **freshmen only**. Unless you have been instructed otherwise, do **not** register for E 101. To meet the E 101 requirement within your engineering degree plan, you may take E 201 - Engineering Transfer Student Success or request that an approved substitute course be accepted. In order to allow an approved substitute course to be used, students must pass an online policies exam with a 90% or higher. If you have not received information regarding the policies exam, you may contact [engineering@ncsu.edu](mailto:engineering@ncsu.edu). You may have been pre-enrolled in E 201 if you lacked an approved substitute course. If this course does not fit your schedule, please discuss your options with Dr. Kim Roberts. Please note that all transfer students may and are encouraged to enroll in E 201 regardless of available approved substitute credit. See below for more details.

[catalog.ncsu.edu/undergraduate/coursedescriptions/e](https://catalog.ncsu.edu/undergraduate/coursedescriptions/e)

## E 115 – INTRO TO COMPUTING ENVIRONMENTS

Introduction to Computing Environments is a 1 credit hour course for **all engineering students**. There is no transferrable credit for E 115; the course must be taken at NC State. The course is graded as credit-only (S-satisfactory/U-unsatisfactory), also known as pass/fail. Please note that E 115 is a corequisite for CSC and ECE courses. Ideally, all engineering transfer students will enroll in E 115 this fall. In rare cases, non-CSC/ECE majors may be forced to delay E 115 until the spring. The E 115 website provides useful information including details about earning credit-by-exam for E 115.

[www.eos.ncsu.edu/e115](http://www.eos.ncsu.edu/e115)

### **The College of Engineering offers the following courses/sections specifically for new transfer students:**

- E 201 sections 001 and 002 Engineering Transfer Student Success
- E 115 Introduction to Computing Environments

In E 115, two on-campus seats are reserved in each section (002-050) for transfer students. These on campus laptop sections are ideal for students who need a routine to help them keep on task, or for students who wish to interact with the new Engineering First Year students. Section 001 is an online hybrid course. This section is ideal for self motivated students who cannot fit a two-hour lab in their schedule, or who are familiar with online courses and can keep up with an online course. Students will have a weekly checklist with the materials for that week, including watching a recorded lecture and completing assignments online. Students will come to campus to take exams and are welcome to come to campus for any in-person office hours.



# REQUIREMENTS



# GENERAL EDUCATION PROGRAM (GEP)

Each NC State student must complete the General Education Program (GEP) requirements. These courses are designed to offer graduates the opportunity to experience diverse and integrative disciplinary perspectives. GEP courses enhance intellectual engagement and prepare you for lifelong learning and the demands of professional careers. NC State’s GEP is divided into several categories. However, within engineering degrees, courses within certain categories will already be selected. When College of Engineering faculty/staff refer to “GEP courses,” they are referring to the subsection of the GEP for which engineering students have choices — a total of seven courses, labeled below (■). Students earning an AA/AS from a NC CC will have these requirements met through their degree so long as they meet CAA criteria. Students earning an AE from a NC CC will have many of these requirements met through their degree. We kindly request that all transfer students remain patient over the summer as final transcripts are received, credit is loaded and degree audits updated. Please note, any departmental corequisites within the GEPs (ex. ethics) are not fulfilled by an AA/AS through the CAA.

2 Mathematical Sciences	MA 141 MA 241	
2 Natural Sciences	CH 101 PY 205	<i>Engineering students use these courses to fulfill GEP requirements</i>
First-Year Writing Program	ENG 101	
2 Health and Exercise Studies	1. _____ 2. _____	<i>must be 100-level</i>
2 Humanities	■ 1. _____ ■ 2. _____	<i>(different disciplines)</i>
2 Social Sciences	■ 1. <u>Economics</u> ■ 2. _____	<i>(EC 201, EC 205, ARE 201) (Discipline other than economics)</i>
2 Interdisciplinary Perspectives	■ 1. _____ ■ 2. _____	
1 Additional Breadth	■ 1. _____	<i>can be humanities, social science or visual/performing art</i>
<i>Corequisites (Not Additional Courses)</i>		
US Diversity (USD)	<input type="checkbox"/>	
Global Knowledge (GK)	<input type="checkbox"/>	
<i>(some engineering curricula have additional corequisites)</i>	<input type="checkbox"/>	

## COLLEGE OF ENGINEERING GEP REQUIREMENTS

### NC STATE GEP REQUIREMENTS

To help you select your GEP courses, the College of Engineering has prepared a form.

NC State GEP Course List: [oucc.dasa.ncsu.edu/general-education-program-gep/gep-course-lists-2](https://oucc.dasa.ncsu.edu/general-education-program-gep/gep-course-lists-2)

College of Engineering GEP Summary: [www.engr.ncsu.edu/academics/undergrad/firstyear/nso](http://www.engr.ncsu.edu/academics/undergrad/firstyear/nso)

# TRANSFER EVALUATION SUMMARY (TES)

Admissions compiles a comprehensive list of all transfer courses taken, how they transfer to NC State, and your transfer GPA in a document referred to as a Transfer Evaluation Summary (TES). The TES is accessible to you through MyPack portal while you are a student. The Preliminary Advanced Standing at the end of the TES summarizes the courses transferring to NC State (not necessarily to degree). Also, the total hours on the last page classifies you as FR, SO, JR or SR.

North Carolina State University										
Undergraduate Admissions Office										
Transfer Summary										
<b>Name:</b>										
<b>ID:</b>										
<b>Career</b>	<b>Program</b>	<b>Plan</b>				<b>Term Applied</b>				
Undergraduate	Engineering	Biomed Engineering Unmatric				2015 Fall Term				
Based on the information received to date, this is a list of the courses you took at other colleges. If this list is incomplete, you must ask the Registrar of your former college(s) to mail an updated official transcript to NC State Admission's Office. The academic dean of the school or college to which you have been admitted will evaluate your course work to determine which credits are applicable to your degree program. Your final classification will be determined by your degree department.										
<b>Transcript Entered:</b> 12/25/2014 STUDENTSELF					<b>NC Community College:</b>					
<b>Transcript Audited:</b>					<b>External Agreement:</b>					
5907 Univ North Carolina Wilmington Wilmington NC										
Term	Dept	Course	Course Title	Crs Hrs	Grd	Credit Type	NCSU Equivalent Course	HRC	Crs Note	
FALL 13 SEM	CHM	101	Gen Chemistry	4.00	B		CH 101	3.00		
							CH 102	1.00		
							ENG ***	3.00		
							HI 251	3.00		
							MA 241	4.00		
							None			
SPRG 14 SEM	CHM	102	Gen Chemistry	4.00	A		CH 201	3.00		
							CH 202	1.00		
							FLG 3**	3.00		
							MA 242	4.00		
							PY 3**	4.00		
FALL 14 SEM	ENG	100	Coll Writing & Read I Global	3.00	A		ENG 1**	3.00	0055	
							MA 341	3.00		
							PY 411	3.00		
							PY 407	3.00		
SPRG 15 SEM	BIO	201	Prin Biology:Cells	4.00	IP	I	Pending			
	CHM	211	Organic Chem	3.00	IP	I	Pending			
	CSC	112	Computer Program	3.00	IP	I	Pending			
	ECN	221	Prin of Econ-Micro	3.00	IP	I	Pending			
	ENG	201	Coll Writ & Read	3.00	IP	I	Pending		0055	
<b>COLLEGE AHR:</b>		<b>HRC:</b>		<b>GPTS:</b>			<b>GPA:</b>			
41.00		41.00		146.00			3.56			
*** TRANSCRIPT INCOMPLETE ***										
<b>CUMULATIVE AHR:</b>		<b>HCR:</b>		<b>GPTS:</b>			<b>GPA:</b>			
41.00		41.00		146.00			3.56			
<b>Credit Type Key</b>										
I = In Progress			M = Remedial			N = Below Grade Requirement			P = Pass/Fail	
R = Course Repeated			T = Technical			W = Withdrawal			Z = Audit	
<b>Crs Note(Course Notes)</b>										
0055 = Prerequisite 2 (3 hr) ENG level 1 courses required for ENG 101 equivalency.										
<b>Preliminary Advanced Standing:</b>										
			<b>NCSU Course</b>	<b>Course Credit Hours</b>						
			CH 101	3.00						
			CH 102	1.00						
			CH 201	3.00						
			CH 202	1.00						
			ENG ***	3.00						
			ENG 1**	3.00						
			FLG 3**	3.00						
			HI 251	3.00						
			MA 241	4.00						
			MA 242	4.00						
			MA 341	3.00						
			PY 3**	4.00						
			PY 407	3.00						
			PY 411	3.00						
			-----							
<b>Total Preliminary Advanced Standing Hours:</b>				41.00						
<b>Key of Elective Credits Given:</b>										
TR *** = Free elective			ENG *** = Dept elective			ENG 1** = Dept elective 1st level				
Disbursement of all elective credits will be up to the student's advisor or department head.										

# FOREIGN LANGUAGE REQUIREMENT

All students at NC State must demonstrate competency at the Elementary II level in a foreign language (FL\* 102) as a requirement for graduation.

## Methods of demonstrating proficiency:

- At least 2 years of high school study of the same language with a C (77) or better
- NC State Foreign Language Placement Test
  - Spanish, French, Latin and German – Laundry Building computer lab
  - Other languages – contact Department of Foreign Languages and Literatures
- Transferable foreign language credit from another institution
- Advanced Placement (AP) scores
- Non-native English speakers

**NOTE:** Students who do not meet the proficiency requirement must take a placement test to determine where they will start at NC State. If a non-native English speaker's degree audit still does not show Foreign Language Proficiency credit midway through the fall semester, the student should contact Dr. Dudley Marchi.

[oucc.dasa.ncsu.edu/foreign-language-proficiency](http://oucc.dasa.ncsu.edu/foreign-language-proficiency)

# HEALTH AND EXERCISE SCIENCE REQUIREMENT

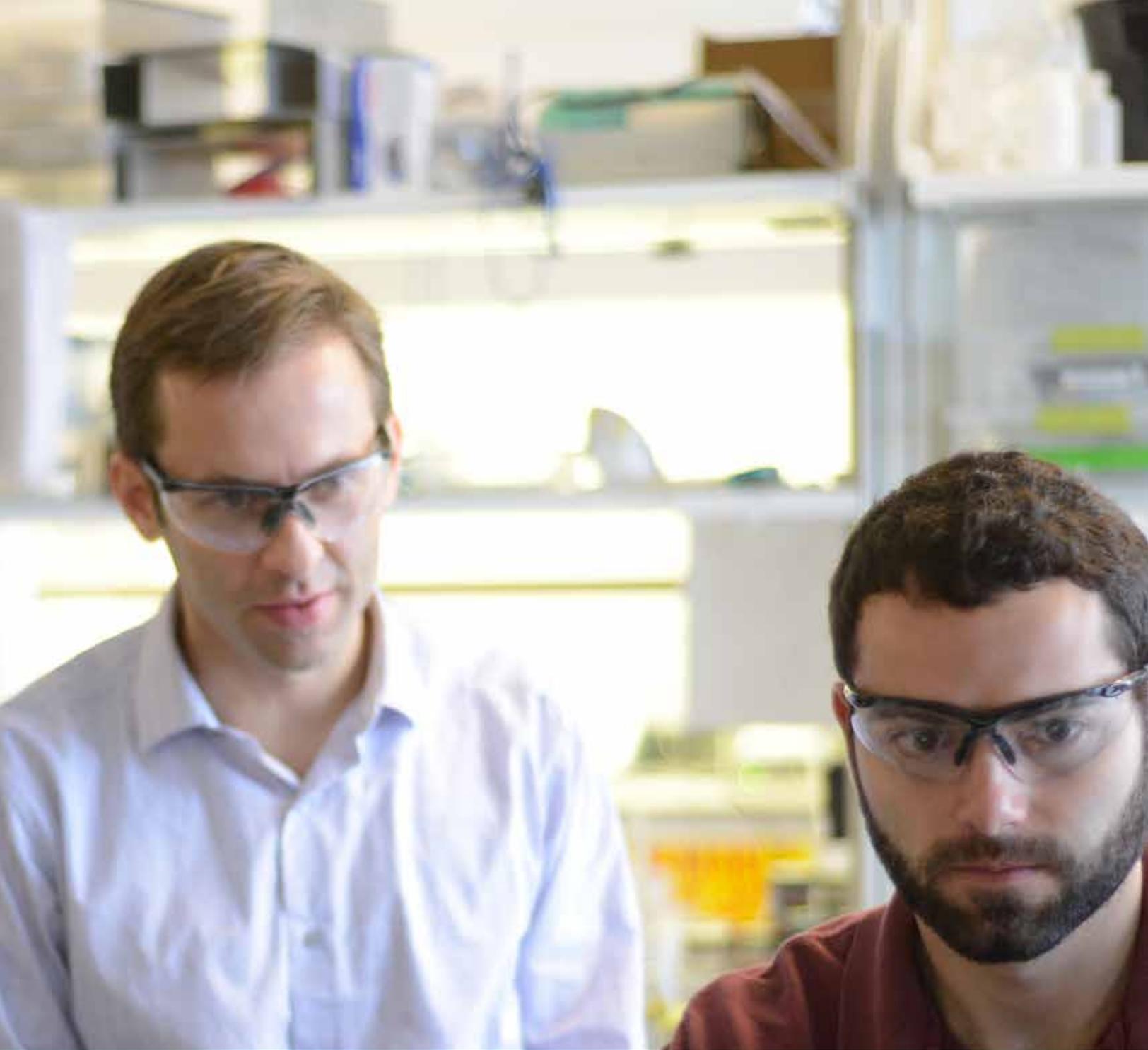
All students at NC State must complete two health and exercise science courses:

1. Fitness and Wellness (1 credit hour)
  - Choose from 100-level HESF courses
  - Examples include Fitness Walking (102) and Run Conditioning (107)
2. HES\_ Elective (1 credit hour)
  - Can be any HES\_ course (100-level or 200-level)
  - Transfer PE \*\*\* can fulfill this requirement

## NOTE:

- HES\_ courses may be taken credit-only (S/U)
- Veterans may request credit through service at Veterans' Education Office

[oucc.dasa.ncsu.edu/gep-category-health-and-exercise-studies](http://oucc.dasa.ncsu.edu/gep-category-health-and-exercise-studies)



# RESOURCES

# DEGREE AUDIT

All degree seeking students at NC State have a degree audit within MyPack portal. The degree audit provides a list of degree requirements. The green check marks indicate completed requirements for your degree. Therefore, you should use your degree audit to verify your transfer and AP/IB credits. Further, the list of required courses within your degree audit includes links to course descriptions, prerequisites, class restrictions, requirements, etc. MyPack portal tutorials can be found online.

[registrar.ncsu.edu](https://registrar.ncsu.edu)

# POLICIES

## PROGRESS TOWARD DEGREE

As part of meeting progress toward degree (PTD) requirements, students:

- Must be in a degree-granting major before entering their fifth term (fall or spring).
- Are encouraged to maintain continuous enrollment in a minimum of 15 hours toward a degree every fall and spring term.

Satisfactory Academic Progress (SAP) will be evaluated for all students, including part-time students, at the end of each academic year (May). SAP is measured by meeting the following three standards:

- Pace of Completion: Students must pass at least 2/3 of all hours attempted each academic year (summer through spring). Attempted hours include all hours enrolled for credit as of census date plus hours added after census. Hours dropped after census, withdrawn or excluded through Grade Exclusion also count as attempted hours.
- Maximum Timeframe: Students must graduate before attempting more than 150 percent of the hours required for their degree program (ex. 180 hours for a 120 hour degree program).
- Degree Status: Students must have an academic standing that allows for continuous enrollment.

[catalog.ncsu.edu/undergraduate/academicpoliciesandprocedures/degree/progressstodegree](https://catalog.ncsu.edu/undergraduate/academicpoliciesandprocedures/degree/progressstodegree)

# POLICIES (CONT.)

## PLAN OF WORK

As part of the progress toward degree requirements set forth, you may be asked by your advisor to create a plan of work. All students are strongly encouraged to create this plan.

- MyPack portal → Student Center → Pack Planner
- Plan remaining semesters' schedules before meeting with your advisor
- Target date for Plan of Work → October

[www.youtube.com/watch?v=F1u5J0b9LDA](https://www.youtube.com/watch?v=F1u5J0b9LDA)

## COLLEGE OF ENGINEERING 48 HOUR RULE

The College of Engineering, in an effort to protect the fidelity of its engineering degrees, requires that graduates **must take 48 of the final 60 hours** within their degree plans within the College of Engineering at NC State. If there is a chance that you will not meet this requirement, develop a plan with your advisor that assures that you meet this requirement.

- There is no limit to the number of transfer hours you may bring to NC State.
- Transfer hours may be counted toward the 140 hours allowed before the Cashiers Office applies a tuition surcharge.
- There is an appeal process. College of Engineering advisors are happy to provide a letter explaining that transfer students are making progress toward their degrees and that the excess hours are a result of transfer credits rather than "loitering" at NC State.

[policies.ncsu.edu/regulation/reg-02-30-03](https://policies.ncsu.edu/regulation/reg-02-30-03)

# HELPFUL LINKS

**Campus Directory/Find People**

[www.ncsu.edu/directory](http://www.ncsu.edu/directory)

**Curricula**

[oucc.dasa.ncsu.edu/engineering-coe](http://oucc.dasa.ncsu.edu/engineering-coe)

**Coordinators of Advising**

[registrar.ncsu.edu/academic-resources/advising-and-curricula/coordinators-of-advising](http://registrar.ncsu.edu/academic-resources/advising-and-curricula/coordinators-of-advising)

**Co-op Program**

[cdc.dasa.ncsu.edu/students/learning-about-co-op](http://cdc.dasa.ncsu.edu/students/learning-about-co-op)

**Professional Organizations**

[students.engr.ncsu.edu](http://students.engr.ncsu.edu)

**Retention/Suspension Policies**

[policies.ncsu.edu/regulation/reg-02-05-01](http://policies.ncsu.edu/regulation/reg-02-05-01)

**Grade Exclusion Policy**

[policies.ncsu.edu/regulation/reg-02-20-16](http://policies.ncsu.edu/regulation/reg-02-20-16)

**Course Repeat Policy**

[policies.ncsu.edu/regulation/reg-02-20-06](http://policies.ncsu.edu/regulation/reg-02-20-06)

The College of Engineering does not approve third attempts.

**NC State Academic Calendar**

[registrar.ncsu.edu/calendars](http://registrar.ncsu.edu/calendars)

You are strongly encouraged to subscribe!

**Minority Engineering Programs**

[www.engr.ncsu.edu/mep](http://www.engr.ncsu.edu/mep)

**Women in Engineering**

[www.engr.ncsu.edu/womeninengineering/about](http://www.engr.ncsu.edu/womeninengineering/about)







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