



ASSOCIATE in ENGINEERING

START HERE, GO ANYWHERE!

The **Associate in Engineering (AE) Degree** is designed for students desiring to pursue a four-year engineering degree. The degree plan includes required general education and prerequisite courses that are acceptable to all state funded Bachelor of Engineering programs. Students who follow the degree progression plan will meet the entrance requirements at all of the North Carolina public Bachelor of Science Engineering programs.

Associate in Engineering graduates may then apply to any of these programs without taking additional and sometimes duplicate courses. *Admission to Engineering programs is highly competitive and admission is not guaranteed.*

APPLY ONLINE TODAY!

For more information, please contact
COLLEGE TRANSFER ADVISING CENTER
919-739-6755 | wcc-ctac@waynecc.edu

waynecc.edu/transfer

Wayne Community College is an equal access, equal opportunity, and affirmative action institution. Wayne Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate degrees, diplomas, and certificates. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, 404-679-4500, <http://www.sacscoc.org> for questions about the accreditation of Wayne Community College.

COLLEGE TRANSFER AT WCC

Learn all about WCC's transfer agreements, university partnerships, college visits and events, and much more in the College Transfer section of our website.

LEARN MORE:
waynecc.edu/transfer

CAREER & COLLEGE PROMISE

Through WCC's Career & College Promise program, you can begin studying while still in high school, tuition-free, then graduate high school having already completed many requirements toward your degree.

LEARN MORE:
waynecc.edu/ccp

IN THE MIDDLE OF ONE OF OUR OTHER DEGREES?

If you are currently enrolled in one of our other transfer degrees, you can take the required education courses to earn the Teacher Preparation degree.

Associate in Engineering Program (A10500)

1. English Composition (6 SHC) The following two English composition courses are required.

COURSE NO.	TITLE	CONTACT HOURS	CREDITS
ENG 111	Writing and Inquiry	3	3
ENG 112	Writing and Research in the Disciplines	3	3

2. Humanities/Fine Arts and Communications (6 SHC) Select one course from each category: Humanities: Choose One

COURSE NO.	TITLE	CONTACT HOURS	CREDITS
ENG 231	American Literature I	3	3
ENG 232	American Literature II	3	3
ENG 241	British Literature I	3	3
ENG 242	British Literature II	3	3
PHI 215	Philosophical Issues	3	3
PHI 240	Introduction to Ethics	3	3
REL 110	World Religions	3	3

(REL 110 will transfer for equivalency credit to the engineering programs at all five UNC institutions that offer undergraduate engineering programs. It may not transfer with equivalency to other programs.)

Fine Arts and Communication: Choose One:

COURSE NO.	TITLE	CONTACT HOURS	CREDITS
COM 231	Public Speaking	3	3
ART 111	Art Appreciation	3	3
ART 114	Art History Survey I	3	3
ART 115	Art History Survey II	3	3
MUS 110	Music Appreciation	3	3
MUS 112	Introduction to Jazz	3	3

3. Social/Behavioral Sciences: (6 SHC) One course required. Select second course. Required:

COURSE NO.	TITLE	CONTACT HOURS	CREDITS
ECO 251	Principles of Microeconomics	3	3

Choose One:

COURSE NO.	TITLE	CONTACT HOURS	CREDITS
HIS 111	World Civilizations I	3	3
HIS 112	World Civilizations II	3	3
HIS 131	American History I	3	3
HIS 132	American History II	3	3
POL 120	American Government	3	3
PSY 150	General Psychology	3	3
SOC 210	Introduction to Sociology	3	3

4. Mathematics: (12 SHC) Calculus I is the lowest level math course that will be accepted by the engineering programs for transfer as a math credit. Students who are not calculus-ready will need to take additional math courses.

COURSE NO.	TITLE	CONTACT HOURS	CREDITS
MAT 271	Calculus I	5	4
MAT 272	Calculus II	5	4
MAT 273	Calculus III	5	4

5. Natural Sciences (12 SHC)

COURSE NO.	TITLE	CONTACT HOURS	CREDITS
CHM 151	General Chemistry I	6	4
PHY 251	General Physics I	6	4
PHY 252	General Physics II	6	4

II. Other Required Hours (18 SHC)

ACADEMIC TRANSITION (1 SHC)

COURSE NO.	TITLE	CONTACT HOURS	CREDITS
ACA 122	College Transfer Success	2	1

PRE-MAJOR ELECTIVE (2 SHC)

COURSE NO.	TITLE	CONTACT HOURS	CREDITS
EGR 150	Intro to Engineering	3	2

OTHER GENERAL EDUCATION AND PRE-MAJOR ELECTIVE HOURS: (15 SHC)

Select 15 SHC of courses from the following courses classified as pre-major, elective, or general education courses within the Comprehensive Articulation Agreement. (Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.)

Students should choose courses appropriate to the specific university and engineering major requirements.

For a full list of "Additional General Education/Pre-Major" classes offered, please visit: waynec.edu/transfer

TOTAL CREDIT HOURS: 60-61

ASSOCIATE IN ENGINEERING

TWO-YEAR PATHWAY PLAN
SCHEDULE FOR FULL-TIME STUDENTS

FIRST YEAR

FALL SEMESTER		Credit
ACA 122	College Transfer Success	1
ENG 111	Writing and Inquiry	3
REL 110	World Religions*	3
CHM 151	General Chemistry I	4
EGR 150	Intro to Engineering	2
Total Credit Hours		13

SPRING SEMESTER

SPRING SEMESTER		Credit
ENG 112	Writing/Research	3
MAT 271	Calculus I	4
DFT 170	Engineering Graphics	3
ECO 251	Principles of MicroEcon	3
	AE Elective _____	4
Total Credit Hours		17

It is strongly recommended that students take ACA 122 in their first semester.

**Will transfer for equivalency to the engineering programs at all five UNC institutions.*

SECOND YEAR

FALL SEMESTER		Credit
MAT 272	Calculus II	4
PHY 251	General Physics I	4
	Humanities/Fine Arts _____	3
	AE Elective** _____	3
Total Credit Hours		14

SPRING SEMESTER

SPRING SEMESTER		Credit
MAT 273	Calculus III	4
PHY 252	General Physics II	4
	AE Elective** _____	3
	Social/Behavioral Science _____	3
	Other General Education _____	3
Total Credit Hours		17

***If your BDP notes MAT 280 (it is only offered Fall) or MAT 285 (only offered Spring). Most Universities will require one or both as an elective.*

THIS SHEET IS FOR ADVISING PURPOSES ONLY.

Students should work with their Advisor to determine the best course selection which will result in the greatest number of transferable credits to a four year institution of their choice. By the second year students should have an idea where they are transferring and therefore should select General Education and Elective courses based off what the four-year institution requires.

***Note* outline is based upon no pre-requisites classes required**



3000 Wayne Memorial Drive
Goldsboro, NC 27534
919-735-5151

waynec.edu

