



Academic Alliance for Degree Completion at Fairfield University

Westchester Community College and the Fairfield University School of Engineering have established an articulation agreement that allows graduates from Westchester Community College to transfer their course credits to Fairfield University. By this arrangement, students who have earned their associate in A.S. in engineering science and wish to complete a four-year bachelor of science degree in engineering can do so in minimal time and in a cost-effective manner. Students can enroll in the bachelor of science degree program in electrical or mechanical engineering at Fairfield University. The articulation agreement allows the transfer of credits as shown on the inside panel. Students interested in completing their bachelor of science degree should contact the Fairfield University School of Engineering directly by calling (203) 254-4147, or e-mailing Associate Dean Bill Taylor at htaylor@fairfield.edu.

At Fairfield University, class sizes are kept small so that students have the opportunity to work closely with their professors and classmates. The engineering faculties at Fairfield have outstanding academic credentials as well as industrial experience. They assist in transforming their students into professional engineers using hands-on teaching techniques, including in-class projects and computer simulations. Learning in the classroom is reinforced in state-of-the-art

laboratories which are upgraded annually with sophisticated instrumentation. The 6-credit capstone class, the Senior Design Project, is team-driven and provides a crucial learning experience for all engineering students.

Once at Fairfield, students can take advantage of a full spectrum of academic and career services, including out-of-class assistance by faculty-level tutors and counselors in engineering, science and mathematics, and career counseling at the University's Career Planning Center. Internships are also available for all students; they are arranged by the School of Engineering.

If you are interested in completing your engineering degree at Fairfield University, please contact the **Engineering Sciences Curriculum Chair, Prof. John Collins**, john.collins@sunywcc.edu, T106, (914) 606-6941 on the SUNY Westchester campus. For further information on the Fairfield University programs please visit the website: www.fairfield.edu/engineering.



Fairfield
UNIVERSITY

Fairfield, Connecticut
www.fairfield.edu



Academic Alliance

**between Fairfield University
School of Engineering
and SUNY Westchester
Community College for
completion of the bachelor of
science degree in engineering**

Fairfield
UNIVERSITY



Westchester
Community College
State University of New York

SUNY Westchester Community College and
Fairfield University Articulation Agreement
for Mechanical Engineering

WESTCHESTER COURSES	CREDITS	FAIRFIELD UNIVERSITY
ENG 101 Comp & Lit I	3 3	EN 11 Fresh Comp
ENG 102 Comp & Lit II	3 3	EN 12 Comp & Lit
Behavioral Science	3 3	SS EL Social Science Elective
Social Science [ECON 102] Microeconomics (or ECON 101: Macroeconomics)	3 3	EC 11 Microeconomics [1]
Humanities [ART or MUSIC] Select one of the following: ART 108, 109 or MUSIC 190	3 3	AH 10 Art History [2]
MATH 121 Calculus I	4 3	MA 125 Calculus I
MATH 122 Calculus II	4 3	MA 126 Calculus II
MATH 201 Calculus III	4 3	MA 227 Calculus III MA 228 Calculus IV [3]
MATH 203 Differential Equations	4 3 1	MA 321 Differential Equ. General Elective
PHYS 101B Engineering Phys I	5 4	PH 15 Physics I
PHYS 103B Engineering Phys II	5 4	PH 16 Physics II
CHEM 107 Inorganic Chemistry I	3 3	CH 11 Gen Chemistry I
CHEM 108 Inorganic Chemistry I Lab	1 1	CH 11L Gen Chemistry I Lab
CHEM 111 Inorganic Chemistry II	3 3	EG 31 Fundamentals of Engineering I
CHEM 112 Inorganic Chemistry II Lab	1 3	EG 32 Fundamentals of Engineering II [4]
PE Phys Ed	2 0	no transfer
MECH 260 CAD 1	2 2	CD 211 Engineering Graphics I
COMSC 101 Computer Programming I	3 3	CS 111 Intro Programming
MECH 126 Statics	3 3	ME 201 Statics
ENR Electives (9) specified by Fairfield University as follows:		
MECH 227 Dynamics	3 3	ME 203 Kinematics & Dynamics
CIVIL 221 Strength of Materials	3 3	ME 308 Strength of Materials
ELEC 255 Passive & Active Ckt Analysis	3 3	EE 213 Intro to Electric Circuits
TOTAL TRANSFER	68 66	
Possible additional courses	6 6	Fairfield core (student should check with Fairfield before taking)

SUNY Westchester Community College and
Fairfield University Articulation Agreement
for Electrical Engineering

WESTCHESTER COURSES	CREDITS	FAIRFIELD UNIVERSITY
ENG 101 Comp & Lit I	3 3	EN 11 Fresh Comp
ENG 102 Comp & Lit II	3 3	EN 12 Comp & Lit
Behavioral Science	3 3	SS EL Social Science Elective
Social Science [ECON 102] Microeconomics (or ECON 101: Macroeconomics)	3 3	EC 11 Microeconomics [1]
Humanities [ART or MUSIC] Select one of the following: ART 108, 109 or MUSIC 190	3 3	AH 10 Art History [2]
MATH 121 Calculus I	4 3	MA 125 Calculus I
MATH 122 Calculus II	4 3	MA 126 Calculus II
MATH 201 Calculus III	4 3	MA 227 Calculus III MA 228 Calculus IV [3]
MATH 203 Differential Equations	4 3 1	MA 321 Differential Equ. General Elective
PHYS 101B Engineering Phys I	5 4	PH 15 Physics I
PHYS 103B Engineering Phys II	5 4	PH 16 Physics II
CHEM 107 Inorganic Chemistry I	3 3	CH 11 Gen Chemistry I
CHEM 108 Inorganic Chemistry I Lab	1 1	CH 11L Gen Chemistry I Lab
CHEM 111 Inorganic Chemistry II	3 3	EG 31 Fundamentals of Engineering I
CHEM 112 Inorganic Chemistry II Lab	1 3	EG 32 Fundamentals of Engineering II [4]
PE Phys Ed	2 0	no transfer
MECH 260 CAD 1	2 2	CD 211 Engineering Graphics I
COMSC 101 Computer Programming I	3 3	CS 111 Intro Programming
MECH 126 Statics	3 3	ME 201 Statics
ENR Electives (9) Specified by Fairfield University as follows:		
ELEC 255 Passive & Active Ckt Analysis	3 3	EE 213 Intro to Electric Circuits
ELEC 241 Adv. Passive & Active Ckts	3 3	EE 221 Frequency Domain Ckt Analysis
ELEC 223 Logic & Switching Ckts	4 4	EE 245 Digital Design I
TOTAL TRANSFER	69 67	
Possible additional courses	6 6	Fairfield core (student should check with Fairfield before taking)

Additional benefits for students pursuing degree completion in the School of Engineering (SOE) at Fairfield University:

1. Student Services

- Tutorial assistance: daily and free of charge, Monday – Thursday, 6:30 – 9:30 p.m., in the tutorial center of the SOE. Degreed engineering professionals provide this assistance.
- Continuous overseeing of students' academic performance, mentoring, and advising.

2. Financial Aid

Financial Aid: Modest financial aid is reserved for Westchester students who transfer to Fairfield University on a part time basis. The School of Engineering provides this aid. Two \$3,500 scholarships are awarded annually to Community College students who transfer to engineering at Fairfield. These awards are competitive. Those students who enter their Fairfield studies on a full time basis may apply for financial aid at the University Financial Aid Office.

3. Part Time vs. Full Time Students

Students in Fairfield's Engineering School may pursue their studies on a part time or full time basis. Part time students may take as many as 11 credit hours every term at a per credit fee of \$525. Tuition for full time students is \$38,450 per year, for 12-20 credits per semester

4. Internships

Fairfield engineering students may take advantage of internships in industry, arranged for them by the School. Transfer students can also take advantage of the SOE internship program immediately as they commence their studies at Fairfield.

For further information, contact **WCC Engineering Sciences Curriculum Chair Prof. John Collins, T106, (914) 606-6941**, or **Fairfield University School of Engineering Associate Dean Bill Taylor, Ph.D., (203) 254-4147**.

NOTES: 1. Select Social Science from: ECON 102 or 101

2. Select Humanities from: ART 108, 109 or MUSIC 190

3. The three calculus courses given at WCC are equivalent to the four calculus courses, MA 125, MA 126, MA 227 and MA 228 given at Fairfield University.

4. Most Fairfield University School of Engineering programs do not require Gen Chemistry II and lab. Westchester students receiving a C or better in Inorganic Chemistry II and lab and also Engineering Physics I and II, will satisfy the Fairfield University requirement of both EG 31 and EG 32 (Fundamentals of Engineering).