



Academic Alliance for Degree Completion at Fairfield University

Norwalk Community College and the Fairfield University School of Engineering have established an articulation agreement that allows Norwalk graduates to transfer their courses to Fairfield University. By this arrangement, Norwalk students who have earned their associate in science degree in engineering science and wish to complete an ABET-accredited, 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, computer, software or mechanical engineering. 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 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. They employ 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 career counseling at the University's Career Planning Center.

An important feature of the Fairfield University program is the placement of students in paid internships arranged by the School of Engineering.

If you are interested in completing your engineering degree at Fairfield University, please contact the alliance coordinator, **Prof. Joe Karnowski**, jkarnowski@ncc.commnet.edu, **Rm W012, (203) 857-3378** on the Norwalk campus. For further information on the Fairfield University programs, please visit the web site at www.fairfield.edu/engineering.



Fairfield
UNIVERSITY

Fairfield, Connecticut
www.fairfield.edu



Academic Alliance

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

Fairfield
UNIVERSITY



Norwalk Community College and
Fairfield University Articulation Agreement
for Engineering Science

NCC COURSES	CREDITS	FAIRFIELD UNIVERSITY
CAD 133 CAD Mechanical Autocad	3 3	CD 211 Engineering Graphics
CHE 121 General Chemistry I	4 { 3 1	CH 11 Inorganic Chemistry I CH 11L Inorganic Chem Lab 1
CHE 122 General Chemistry II	4 3	GE EL General Elective
CSC 108 Introduction to Programming	4 3	CS 131 Computer Programming I
ENG 101 Composition	3 3	EN 11 Composition & Prose
ENG 102 Literature & Comp.	3 3	EN 12 Introduction to Literature
EGR 211 Engineering Statics	3 3	ME 201 Engineering Statics
EGR 212 Engineering Dynamics	3 3	ME 203 Kinematics and Dynamics
HIS 101 Western Civilization I	3 3	HI 30 Europe & World in Transition
MAT 254 Calculus I	4 3	MA 125 Calculus I
MAT 256 Calculus II	4 3	MA 126 Calculus II
MAT 268 Calculus III: Multivariate	4 { 3 3	MA 227 Calculus III MA 228 Calculus IV
MAT 285 Differential Equations	3 3	MA 321 Ordinary Differential Equations
PHY 221 Calculus-Based Physics I	4 { 3 1	PS 15 General Physics I PS 15L General Physics Lab I
PHY 222 Calculus-Based Physics II	4 { 3 1	PS 16 General Physics II PS 16L General Physics Lab II
CST 145 Digital Circuits & Logic*	4 { 3 1	CR 245 Digital Design I CR 245L Digital Design I Lab
PHL 124 Engineering Ethics	3 3	AE 287 Engineering Ethics
Humanities Elective**	3 3	AH 10 Origins & Trans. of Western Art
Social Science Elective	3 3	SS EL Social Science Elective
TOTAL TRANSFER	64	

Norwalk Community College and
Fairfield University Articulation Agreement
for Computer Science

NCC COURSES	CREDITS	FAIRFIELD UNIVERSITY
Core Requirements		
COM 173 Public Speaking	3 3	CO 101 Argument & Advocacy
CSC 108 Introduction to Programming	4 3	CS 131 Computer Programming I
ECN 102 Principles of Microeconomics	3 3	EC 11 Introduction to Microeconomics
ENG 101 Composition	3 3	EN 11 Composition and Prose Literature
ENG 102 Literature and Composition	3 3	EN 12 Introduction to Literature
IDS 210 Humanities: The Creative Voice	3 3	GE EL1 General Elective
MAT 172 College Algebra	3 nc	Does not transfer
MAT 186 Pre-Calculus	4 nc	Does not transfer
MAT 254 Calculus I (free elective)	4 3	MA 125 Calculus I
PHY 221 Calculus-based Physics I (w/ Lab)	4 3 1	PS 15 General Physics I PS 15 L General Physics Lab I
Major Requirements		
CSC 226 OOP w/ Java	4 3	CS 132 Computer Programming II
CSC 233 Database Development I	4 3	SW 355 Database Management Systems
CSC 234 Database Development II	4 3	SW EL 1 Major Elective
CSC 241 Data Structures and Algorithms	4 3	CS 232 Data Structures
CST 255 XML for the World Wide Web	4 3	SW 304 Web Development
Core Electives (Choose 3)		
CST 121 Operating Systems	4 3	SW 227 Object-Oriented Programming w/ C++
MAT 283 Differential Equations	4 3	MA 321 Ordinary Differential Equations
MAT 272 Linear Algebra	3 3	MA 235 Linear Algebra
MAT 256 Calculus II	4 3	MA 126 Calculus II
MAT 268 Calculus III	4 3 3	MA 227 Calculus III MA 228 Calculus IV
TOTAL TRANSFER	52-55	

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

The School of Engineering provides modest financial aid to NCC students who transfer to Fairfield University on a part time basis. 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 the alliance coordinator, **Prof. Joe Karnowski, Rm. W212, (203) 857-3378** on the Norwalk campus, or the **Fairfield University School of Engineering Associate Dean Bill Taylor, Ph.D., at (203) 254-4147**.

* **Technical Elective. Computer Engineering students may also take CST 223**

** **ART 102, 102, 105, 205; MUS 101, 104, 121, 122; THR 103, 104, 105**

Notes: A. The sequence of Calculus I, II & III (12 cr) will transfer to Fairfield as Calculus I, II, III & IV (12 cr)

B. An additional 20 credits may be eligible for transfer; however, 60 credits must be completed at Fairfield University.

C. The Fairfield University Fundamentals of Engineering courses (EG31-32, 6 credits) are waived for Norwalk graduates with associate's degrees. In exchange, an additional 3-credit elective in engineering must be completed at Fairfield.