

Academic Alliance for Degree Completion at Fairfield University

Manchester Community College and the Fairfield University School of Engineering have established an articulation agreement that allows Manchester graduates to transfer their courses to Fairfield University. By this arrangement, Manchester students who have earned their associate in science degree in engineering science and wish to complete a four-year bachelor of science degree in engineering at Fairfield University 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 Fairfield's 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 faculty 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 six-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 **CBT Division Director, at LRC A242, (860) 512-2634** on the Manchester campus. For further information on the Fairfield University programs, please visit the website: www.fairfield.edu/engineering.



Academic Alliance

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



Fairfield
UNIVERSITY

Fairfield, Connecticut
www.fairfield.edu



Manchester Community College and
Fairfield University Articulation Agreement
for Engineering Science

MANCHESTER	CREDITS		FAIRFIELD UNIVERSITY
CHE* 121 General Chemistry I	4	4	CH 11 Inorganic Chemistry I
EGR* 111 Introduction to Engineering	3	3	EG 31 Fundamentals of Engineering I
EGR* 211 Engineering Statics	3	3	ME 201 Engineering Statics
EGR* 212 Engineering Dynamics	3	3	ME 203 Kinematics & Dynamics
EGR* 214 Thermodynamics	3	3	ME 241 Principles of Thermodynamics
EGR* 221 Intro Electrical Circuit Analysis	4	4	EE 213 Intro to Electric Circuits
EGR* 230 C++ for Engineering	3	3	CS 131 Computer Programming I
ENG* 101 Composition	3	3	EN 11 Composition & Prose Literature
ENG* 110 Introduction to Literature	3	3	EN 12 Introduction to Literature
GE (mode 1) Art/Music History	3	3	AH 10 Origins & Transformations in West Art
GE (mode 3) Ethics	3	3	AE EL Applied Ethics Elective
GE (mode 6) Social Science	3	3	SS EL Social Science Elective
HIS* 101 Western Civilization I	3	3	HI 30 Europe & World in Transition
MAT* 254 Calculus I	4	3	MA 125 Calculus I: (Eng/Physics majors)
MAT* 256 Calculus II ^[1]	4	3	MA 126 Calculus II: (Eng/Physics majors)
MAT* 268 Calculus III: Multivariable ^[1]	4	3	MA 227 Calculus III: (Engineering/Physics) MA 228 Calculus IV: (Eng/Physics majors)
MAT* 285 Differential Equations	4	3	MA 321 Ordinary Differential Equations
PHY* 221 Calculus-based Physics I	4	4	PS 15 General Physics I (Eng/Physics majors)
PHY* 222 Calculus-based Physics II	4	4	PS 16 General Physics II (Eng/Physics majors)
TOTAL TRANSFER ^[2]	65	64	

NOTES:

- The three calculus courses given by MCC are equivalent to the four calculus courses, MA 125, MA 126, MA 227, and MA 228 given by Fairfield University.

Manchester Community College and
Fairfield University Articulation Agreement
for Computer Science

MANCHESTER	CREDITS		FAIRFIELD UNIVERSITY
COM* 173 Public Speaking	3	3	CO 101 Argument & Advocacy
CSC* 125 Programming Logic and Design with C++	3	3	CS 131 Computer Programming I
CSC* 215 Object Oriented Programming Using C++	4	3	CS 132 Computer Programming II
CSC* 241 Data Structures & Algorithms	4	3	CS 232 Data Structures
CSC* 286 Microprocessor Assembly Language	4	4	EE 346 Embedded Microcontrollers
CSC* 287 Organization and Architecture	3	3	CS 322 Computer System Architecture
CST* 123 Computer Operating Systems	4	3	CS 331 Distributed Operating Systems
CST* 131 Network Theory and Application	4	3	SW 404 Network Concepts
EET* 252 Digital Electronics I	4	4	CR 245 Digital Design
ENG* 101 Composition	3	3	EN 11 Composition and Prose Literature
ENG* 110 Introduction to Literature	3	3	EN 12 Introduction to Literature and Writing
MAT* 254 Calculus I	4	3	MA 125 Calculus I
MAT* 256 Calculus II	4	3	MA 126 Calculus II
MAT* 272 Linear Algebra or MAT* 285 Differential Equations	3	3	MA 235 Linear Algebra MA 321 Ordinary Differential Equations
Mode 1 Art	3	3	VP EL Visual and Performing Arts Elective
Mode 6 Social Science	3	3	SS EL Social Science Elective
PHY* 221 Calculus-Based Physics I	4	4	PS 15 General Physics I
PHY* 222 Calculus-Based Physics II	4	4	PS 16 General Physics II
TOTAL TRANSFER ^[2]	64	58	

NOTES:

- Additional courses that satisfy the liberal arts core at Fairfield University may be approved on transfer.

Manchester Community College and
Fairfield University Articulation Agreement
for Computer Engineering Technology

MANCHESTER	CREDITS		FAIRFIELD UNIVERSITY
COM* 173 Public Speaking	3	3	CO 101 Argument & Advocacy
CSC* 286 Microprocessor Assem. Lang.	4	4	EE 346 Computer Hardware
CSC* 287 Computer Organization and Arch.	3	3	CS 322 Computer Architecture
CST* 123 Computer Operating Systems	4	3	CS 331 Operating Systems
CST* 131 Network Theory and Application	4	3	SW 314 Network Concepts
CST* 141 Computer Hardware	4		does not transfer
EET* 108 AC/DC Circuit Analysis	4	4	EE 213 Introduction to Electric Circuits**
EET* 132 Electronics	4	4	EE 231 Intro. Electronic Devices**
EET* 252 Digital Electronics	4	4	CR 245 Digital Design
EGR* 230 C++ for Engineering	3	3	CS 131 Computer Programming I
ENG* 101 Composition	3	3	EN 11 Composition and Prose Literature
ENG* 202 Technical Writing	3	3	EN/W 335 Technical Writing
MAT* 185 Trigonometric Functions	3		does not transfer
MAT* 186 Precalculus	4		does not transfer
Mode 1 Art History, etc.	3	3	VP EL Visual and Performing Arts Elective
PHY* 121 General Physics I **	4	4	PS 15 General Physics I **
PHY* 122 General Physics II	4	4	PS 16 General Physics I
PSY* 247 Industrial & Organizational Psych.	3	3	SS EL Social Science Elective
TOTAL TRANSFER ^[2]	64	51	

- Several additional core courses may be transferred, but the student should check with Fairfield University first.

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, plus mentoring and advising.

2. Financial Aid:

Modest financial aid is reserved for MCC 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 through the University's Financial Aid Office.

4. Part Time vs. Full Time Students

Students in Fairfield's School of Engineering may pursue their studies on a part time or full time basis. As a part time student, one may take as many as 11 credit hours every term for a per credit fee of \$525. In contrast, tuition for full time students is \$38,450 per year, 12-18 credits per semester.

5. 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 upon beginning their studies at Fairfield.

For further information, contact the **CBT Division Director, Rm LRC, (860) 512-2634** on the Manchester campus, or the **Fairfield University School of Engineering Associate Dean Bill Taylor, Ph.D. at (203) 254-4147.**