Academic Alliance for Degree Completion at Fairfield University

Naugatuck Valley Community College and the Fairfield University School of Engineering have recently completed an articulation agreement that will directly transfer most of the science and engineering courses taken at NVCC to Fairfield University. This unique arrangement allows Naugatuck Valley students who wish to complete a four-year engineering degree in electrical engineering, mechanical engineering, or manufacturing engineering to do so in a minimal amount of time. Of the 134 credit hours required for a degree at Fairfield, NVCC graduates in engineering technology may transfer up to 66-67 credits. The remainder of the required credits may be completed in two or three years or less, on a full or part-time basis.

The Fairfield University School of Engineering has ABET-accredited programs, offering bachelor degrees in electrical engineering and mechanical engineering. The class sizes are kept small so that students have an opportunity to work closely with their professors and classmates.

Faculty at Fairfield have an extensive industrial background as well as outstanding academic credentials so that they can share their experiences with students and assist in transforming them into professional engineers. They employ hands-on teaching techniques, including computer simulations, in-class projects, and relevant homework to enhance the learning process.

Learning in the classroom is reinforced in state-of-the-art laboratories with equipment similar to that used in industry. The laboratories are upgraded on an annual basis to keep them current.

For NVCC students who need further preparation for the B.S. degree studies, Fairfield has bridge courses offered on site at NVCC. 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 Monday through Thursday evenings; advising, also on a nightly basis, and career counseling at the University's Career Planning Center. Students transferring to Fairfield are invited to enjoy the rich schedule of cultural and athletic events on campus.

If you are interested in completing your B.S. degree in engineering at Fairfield University, please visit the NVCC office in Founders Hall, Rm. 100. For further information, please visit the Fairfield website at **www.fairfield.edu/engineering**, or call **(203) 254-4147**.

The inside panels of this brochure show the schedule of NVCC courses that are accepted for credit in Fairfield's electrical, mechanical, and manufacturing engineering programs.

You are invited to explore the Fairfield engineering programs and make the transition to career enhancing studies leading to a bachelor of science degree in engineering.

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www.fairfield.edu

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Fairfield University
School of Engineering

AND

NAUGATUCK VALLEY
COMMUNITY COLLEGE

Academic Alliance for Degree Completion

A program designed for Naugatuck Valley Community College students to extend their associate's degree into a four-year bachelor of science in engineering degree from Fairfield University.

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Naugatuck Valley Community College

Naugatuck Valley Community College and Fairfield University Articulation Agreement for Mechanical Engineering Technology

NVCC COURSES	CREDITS		FAIRFIELD UNIVERSITY
Mechanical Engineering Technology			Mechanical Engineering
CAD-H1203 Computer-Aided Drafting I	3	3	CD 211 Engineering Graphics I
CHE*H121 General Chemistry I	4	3 1	CH 11 Inorganic Chemistry I CH 11L Inorganic Chemistry Lab I
COM*H100 Intro to Communications	3	3	CO 101 Argument & Advocacy
EET-H1010 Electrical Applications	3	3	EE 213 Intro to Electric Circuits
ENG*H101 Composition	3	3	EN 11 Composition & Prose
ENG*H102 Literature & Composition	3	3	EN 12 Introduction to Literature
MAT*H254 Calculus I (grade of B or better)	4	3	MA 125 Calculus I
MEC-H1108 Statics	5	3 1	ME 201 Engineering Statics ME 206L Mechanics Lab
MEC-H2120 Strength of Materials (Plus EG 32**)	4	3	ME 205 Strength of Materials
MEC-H2128 Thermodynamics	4	3	ME 241 Principles of Thermodynamics
MEC-H2130 Machine Design	5	3	ME 311 Machine Design
MEC-H2168 Dynamics	4	3	ME 203 Kinematics & Dynamics
MFG-H1100 Manufacturing Processes	3	3	EG 31 Fundamentals of Engineering I
MFG-H1104 Computer-Aided Manufacturing I	4	3	GE EL General Elective
MFG-H2110 Materials of Engineering	4	3	MF 207 Materials Science
PHY*H121 General Physics I	4	3 1	PS 15 General Physics I PS 15L General Physics Lab I
Humanities Electives	9	9	Humanities Electives
Social Science Electives	6	6	Social Science Electives
Total Transfer		**66**	

* Indicates common numbering across Connecticut Community College system

NOTES:
Students with a GPA of 3.0 or better are guaranteed admission into the B.S. Mechanical Engineering program at Fairfield University. Students with a GPA between 2.5 and 3.0 will be considered on an individual-basis only. This transfer agreement requires also that the student pass the specified bridge course (EG 32) before matriculation at Fairfield University.

Naugatuck Valley Community College and Fairfield University Articulation Agreement for Electronics Engineering Technology

NVCC COURSES	CREDITS		FAIRFIELD UNIVERSITY
Electronics Engineering Technology			Electrical Engineering
CHE*H121 General Chemistry I	4	3 1	CH 11 Inorganic Chemistry I CH 11L Inorganic Chemistry Lab I
COM*H100 Intro to Communications	3	3	CO 101 Argument & Advocacy
EET-H1100 Electric Circuits I	4	3 1	EE 213 Intro Electric Circuits EE 213L Electric Circuits Lab
EET-H1110 Electric Circuits II	4	3	EE 221 Freq Domain Circuit Analysis
EET-H1120 Electronics I	4	3 1	EE 231 Intro to Electronic Circuit Devices EE 231L Electronic Circuits Lab
EET-H2100 Electronics II	4	3 1	EE 331 Analog Electronics Design EE 331L Analog Electronics Lab
EET-H2110 Digital Electronics I	4	3 1	EE 245 Digital Design I EE 245L Digital Design Lab I
EET-H2120 Microprocessors	4	3	EE EL Major Elective I
EET-H2515 Electronic Instrumentation	3	3	EG 31 Fundamentals of Engineering I
ENG*H101 Composition	3	3	EN 11 Composition & Prose
ENG*H102 Literature & Composition	3	3	EN 12 Introduction to Literature
MAT*H254 Calculus I (grade of B or better)	4	3	MA 125 Calculus I
PHY*H121 General Physics I	4	3 1	PS 15 General Physics I PS 15L General Physics Lab I
PHY*H122 General Physics II	4	3 1	PS 16 General Physics II PS 16L General Physics Lab II
Humanities Electives	12	12	Humanities Electives
Social Science Electives	6	6	Social Science Electives
Total Transfer		**67**	

* Indicates common numbering across Connecticut Community College system

NOTES:
Students with a GPA of 3.0 or better are guaranteed admission into the B.S. Electrical Engineering program at Fairfield University. Students with a GPA between 2.5 and 3.0 will be considered on an individual basis only. This transfer agreement requires also that the student pass the specified bridge course (EG 32) before matriculation at Fairfield University.

Naugatuck Valley Community College and Fairfield University Articulation Agreement for Manufacturing Engineering Technology

NVCC COURSES	CREDITS		FAIRFIELD UNIVERSITY
Manufacturing Engineering Technology			Mechanical Engineering (manufacturing option)
CAD-H1203 Computer-aided Drafting I	3	3	CD 211 Engineering Graphics I
CHE*H121 General Chemistry I	4	3 1	CH 11 Inorganic Chemistry I CH 11L Inorganic Chemistry Lab I
COM*H100 Intro to Communications	3	3	CO 101 Argument & Advocacy
EET-H1010 Electrical Applications	3	3	EE 213 Intro to Electric Circuits
ENG*H101 Composition	3	3	EN 11 Composition & Prose
ENG*H102 Literature & Composition	3	3	EN 12 Introduction to Literature
MAT*H254 Calculus I (grade of B or better)	4	3	MA 125 Calculus I
MEC-H1108 Statics	5	3 1	ME 201 Engineering Statics ME 206L Mechanics Lab
MFG-H1100 Manufacturing Processes	4	3	EG 31 Fundamental of Engineering I
MFG-H1104 Computer-Aided Manufacturing I	3	3	MF 230 Computer-Aided Manufacturing I
MFG-H2010 Computer-Aided Mfg II	4	3	MF 240 Computer-Aided Mfg II
MFG-H2110 Materials of Engineering	4	3	MF 207 Materials Science
MFG-H2124 Fundamentals of Tool Design	5	3	ME 311 Machine Design
MFG-H2230 Statistical Process Control	3	3	ME Major Elective II
MFG-H2275 Mechanics of Materials or MEC-H2120 Strength of Materials	3	3	ME 205 Strength of Materials
PHY*H121 General Physics I	4	3 1	PS 15 General Physics I PS 15L General Physics Lab I
Humanities Electives	12	12	Humanities Electives
Social Science Electives	6	6	Social Science Electives
Total Transfer		**66**	

* Indicates common numbering across Connecticut Community College system

NOTES:
1. A requirement for transferring to Fairfield University is that students take a bridge course, EG32, a calculus-based physics course, following PHY H121 and MAT H254. EG 32 will be offered by Fairfield on the NVCC campus. Students must pass EG32 with a grade of C or better.

2. Students with a GPA of 3.0 or better are guaranteed admission into the B.S. Engineering program at Fairfield University. Students with a GPA between 2.5 and 3.0 will be considered on an individual basis only.