

Academic Alliance for Degree Completion at Fairfield University

Three Rivers Community College and the Fairfield University School of Engineering have completed an articulation agreement that will directly transfer most of the science and engineering courses taken at Three Rivers to Fairfield University. This unique arrangement allows Three Rivers students who wish to complete a four-year engineering degree in electrical engineering or mechanical engineering to do so in a minimal amount of time. Of the 134 credit hours required for a degree at Fairfield, Three Rivers graduates in engineering technology may transfer up to 64 credits in either of the two disciplines. 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 Three Rivers students who need further preparation for the B.S. degree studies, Fairfield offers bridge courses on site at Three Rivers. 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 contact **Director of Engineering Technology Anthony Benoit**, by calling (860) 885-2386 on the Three Rivers campus. For more information, please visit the Fairfield website at www.fairfield.edu/engineering and/or the Three Rivers website, www.trcc.comnet.edu. Or, call the Fairfield University School of Engineering at (203) 254-4147.

The inside panels of this brochure show the schedule of Three Rivers courses that are accepted for credit in Fairfield's electrical and mechanical 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.



Fairfield
UNIVERSITY

Jesuit. Personal. Powerful.

Fairfield, Connecticut
www.fairfield.edu

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Fairfield University
School of Engineering

AND

**THREE RIVERS
COMMUNITY COLLEGE**



*Academic Alliance
for Degree Completion*

A program designed for Three Rivers 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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Three Rivers Community College and
Fairfield University Articulation
Agreement for Mechanical
Engineering Technology

| THREE RIVERS COURSES | CREDITS | FAIRFIELD UNIVERSITY |
|--|------------|---|
| Mechanical Engineering Technology | | |
| CHE* 121 General Chemistry I | 4 { 3 1 | CH 11 Inorganic Chemistry I CH 11L Inorganic Chemistry Lab I |
| ECN* 102 Microeconomics | 3 3 | EC 11 Intro to Microeconomics |
| EET* 142 Electrical & Power Sys Fund | 3 3 | EE 213 Intro to Electric Circuits |
| EET* 143 Electrical & Power Sys Lab | 1 1 | EE 213L Electric Circuits Lab |
| ENG* 101 Composition | 3 3 | EN 11 Composition & Prose |
| ENG* 102 Literature & Composition | 3 3 | EN 12 Introduction to Literature |
| ENG* 202 Technical Writing | 3 3 | GE EL1 EG 111 - Communications |
| HIS* 121 World Civilization I | 3 3 | HI 30 Europe & World in Transition |
| MAT* 254 Calculus I (grade of B or better) | 4 3 | MA 125 Calculus I |
| MEC* 114 Introduction to Structural Mechanics | 3 3 | ME 201 Engineering Statics |
| MEC* 115 Intro to Structural Mech Lab (or MEC* 251) | 1 1 | ME 206L Mechanics Lab I |
| MEC* 152 Fund Engineering Graphics MEC* 153 Fund Engineering Graphics Lab | 1 } 3 2 | CD 211 Engineering Graphics I |
| MEC* 252 Strength of Materials | 3 3 | ME 205 Strength of Materials |
| MEC* 262 Materials Science | 3 3 | MF 207 Materials Science |
| MEC* 281 Machine Design | 3 3 | ME 311 Machine Design |

| | | |
|-------------------------------------|------------|---|
| MEC* 275 Thermal Science Lab | 1 1 | ME 348L Thermal & Fluids Lab |
| MEC* 241 Thermodynamics | 3 3 | ME 241 Principles of Thermodynamics |
| MEC* 231 Computer Aided Engineering | 3 3 | EG 31 Fundamentals of Engineering I |
| MEC* 270 Intro to Fluid Mechanics | 3 3 | GE EL2 General Elective |
| PHY* 114 Mechanics | 4 { 3 1 | PS 15 General Physics I PS 15L General Physics Lab I |
| PHY* 115 Heat, Sound, Light | 4 { 3 1 | PS 16 General Physics II PS 16L General Physics Lab II |
| Humanities Elective | 3 3 | Humanities Elective |
| Social Science Elective | 3 3 | Social Science Elective |
| Total Transfer | 66 | |

*Indicates common numbering across Connecticut Community College system

Three Rivers Community College and
Fairfield University Articulation
Agreement for Electrical
Engineering Technology

| THREE RIVERS COURSES | CREDITS | FAIRFIELD UNIVERSITY |
|--|------------|---|
| Electrical Engineering Technology | | |
| CHE* 121 General Chemistry I | 4 { 3 1 | CH 11 Inorganic Chemistry I CH 11L Inorganic Chemistry Lab I |
| ECN* 102 Microeconomics | 3 3 | EC 11 Intro to Microeconomics |
| EET* 110 Electric Circuits I | 4 3 | EE 213 Intro Electric Circuits |
| EET* 111 Electrical Circuits Lab | 1 1 | EE 213L Electric Circuits Lab |
| EET* 112 Electric Circuits II | 3 3 | EE 221 Freq Domain Circuit Analysis |
| EET* 134 Electronics I | 3 3 | EE 231 Intro Electron Circuit Devices |
| EET* 135 Electronics I Lab | 1 1 | EE 231L Electronic Circuits Lab |
| EET* 234 Electronics II | 3 3 | EE 331 Analog Electron Design |
| EET* 235 Electronics II Lab | 2 1 | EE 331L Analog Electronics Lab |
| EET* 254 Digital Electronics I | 3 3 | EE 245 Digital Design I |



| | | |
|--|------------|---|
| EET* 255 Digital Electronics I Lab | 2 1 | EE 245L Digital Design Lab I |
| EET* 264 Controls I | 3 3 | GE EL2 General Elective |
| ENG* 101 Composition | 3 3 | EN 11 Composition & Prose |
| ENG* 102 Literature & Composition | 3 3 | EN 12 Introduction to Literature |
| ENG* 202 Technical Writing | 3 3 | GE EL1 General Elective |
| HIS* 121 World Civilization I | 3 3 | HI 30 Europe & World in Transition |
| MAT* 254 Calculus I (grade of B or better) | 4 3 | MA 125 Calculus I |
| MAT* 256 Calculus II | 4 3 | MA 126 Calculus II |
| PHY* 114 Mechanics | 4 { 3 1 | PS 15 General Physics I PS 15L General Physics Lab I |
| PHY* 115 Heat, Sound, Light | 4 { 3 1 | PS 16 General Physics II PS 16L General Physics Lab II |
| Technical Elective | 3 3 | EG 31 Fundamentals of Engineering I |
| Humanities Electives | 3 3 | Humanities Electives |
| Social Science Elective | 3 3 | Social Science Elective |
| Total Transfer | 64 | |

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NOTES:

1. A requirement for transferring to Fairfield University is that students take a bridge course, EG32, a calculus-based physics course, following PHY* 114 and MAT* 254. EG 32 will be offered by Fairfield on the Three Rivers 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. This transfer agreement requires also that the student pass the specified bridge course (EG 32) with a grade of C or better before matriculation at Fairfield University.

