

Applied Engineering Pathway

Your Path from Wright College to Southern Illinois University

DUAL ADMISSION PROGRAM

The Dual Admission Program (DAP) is for students who plan to attend a community college first, and then transfer to SIU Carbondale for a specific major. The program is intended to help students prepare their transfer to SIU well in advance of the matriculation date and take some of the stress out of the transfer process.

Requirements

- ✓ Have at least two semesters (minimum of 30 semester hours) remaining at community college.
- ✓ Meet admission requirements for SIU Carbondale and maintain at least a 2.0/4.0 cumulative GPA (as calculated by SIU) while attending the community college.
- ✓ Declare a specific major at SIU Carbondale.

Additional SIU Majors

Civil Engineering
Computer Engineering
Electrical Engineering
Mechanical Engineering

BS ELECTRICAL ENGINEERING TECHNOLOGY

Combines an analytical approach to engineering with practical skills instruction to solve real-world problems. Students receive training in the high-demand technical fields of computer systems, microelectronics, communications systems and electric power distribution.

Possible Careers:

Electronics Design Engineer
Field Service Engineer
Hardware Engineer
Senior Engineering Technician
Test Engineer

Salary Range: \$55,000 - \$75,000

BS INDUSTRIAL MANAGEMENT AND APPLIED ENGINEERING

Merges technical and managerial career skills training to prepare you for supervisory and technical management positions. Our program covers Six Sigma, lean manufacturing, quality control, computer-aided manufacturing, industrial robotics, manufacturing processes, industrial safety, facilities planning, cost estimating and personnel supervision.

Possible Careers:

Production Manager
Manufacturing Engineer
Quality Engineer
Plant Engineer
Project Engineer

Salary Range: \$50,000 - \$70,000

Southern Illinois University Carbondale
Applied Engineering Pathway Plan of Study – Wilburn Wright College

**Associate in Science transferring into BS in
Electrical Engineering Technology**

Year 1

Fall Semester

ENG 101	Composition I	3
MATH 143	Pre-Calculus	6
BIO 109	Human Biology	3
ENGR 111	Intro to Engineering Profession	2
	Humanities Elective	3
	Semester Credit Hours	17

Spring Semester

SPEECH 101	Fundamentals of Speech	3
ENG 102	Composition II	3
MATH 207	Calculus I	5
	Social Science Elective	3
	Humanities Elective	3
	Semester Credit Hours	17

Year 2

Fall Semester

ENG 105	Business Writing	3
MATH 125	Introductory Statistics	4
PHYSICS 221	Physics I	5
	Technical Elective	3
	Semester Credit Hours	15

Spring Semester

ENGR 190	Computer Apps in Engineering	3
or		
CIS 142	C++ Object Oriented Program I	
PHYSICS 222	Physics II	5
ENGR 215	Electrical Circuit Analysis	3
	Social Science Elective	3
	Semester Credit Hours	14

**Associate in Arts transferring into BS in Industrial
Management and Applied Engineering**

Year 1

Fall Semester

ENG 101	Composition I	3
MATH 140	College Algebra	4
ENGR 111	Intro to Engineering Profession	2
	Humanities Elective	3
	Social Science Elective	3
	Semester Credit Hours	15

Spring Semester

ENG 102	Composition II	3
MATH 204	Calculus for Business and SS	5
	Life Science Elective	3
	Humanities Elective	3
	Social Science Elective	3
	Semester Credit Hours	17

Year 2

Fall Semester

SPEECH 101	Fundamentals of Speech	3
ENGR 190	Computer Apps in Engineering	3
or		
CIS 142	C++ Object Oriented Program I	
PHYSICS 221	Physics I	5
	Technical Elective	3
	Humanities Elective	3
	Semester Credit Hours	17

Spring Semester

PHYSICS 222	Physics II	5
ENGR 215	Electrical Circuit Analysis	3
	Technical Elective	3
	Technical Elective	3
	Social Science Elective	3
	Semester Credit Hours	17

Wilbur Wright College

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Southern Illinois University Carbondale

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