



Transfer Guide

Wayne County Community College Bachelor of Science—Electrical Engineering

This Transfer Guide is designed to provide a seamless transition between the **Pre-Engineering Associate of Science** degree at Wayne County Community College District (WCCCD) and the **Bachelor of Science in Electrical Engineering** degree at Baker College.

For additional information about Baker College's transfer process and available scholarships, please visit our [Transfer Students](#) page.

PROGRAM REQUIREMENTS

TRANSFER CREDITS FROM WAYNE COUNTY COMMUNITY COLLEGE—PRE-ENGINEERING ASSOCIATE IN SCIENCE

Course	Number	Course Title	Credit Hours
ENG	119	ENGLISH I	03
ENG	120	ENGLISH II	03
PS	101	AMERICAN GOVERNMENT HUMANITIES	03 06
		SOCIAL SCIENCE	06
SPH	101	FUNDAMENTALS OF SPEECH	03
CIS	209	C PROGRAMMING LANGUAGE	04
MAT	171	ANALYTIC GEO. & CALCULUS I	04
MAT	172	ANALYTIC GEO. & CALCULUS II	04
MAT	271	ANALYTIC GEO. & CALCULUS III	04
MAT	272	LINEAR ALGEBRA	04
MAT	273	DIFFERENTIAL EQUATIONS	04
CHM	136	GENERAL CHEMISTRY I	04
PHY	265	PHYSICS FOR SCI. & ENG. I	04
PHY	275	PHYSICS FOR SCI. & ENG. II	04
CT	203	DIGITAL LOGIC I	04

**TOTAL CREDITS FROM WAYNE COUNTY
COMMUNITY COLLEGE** **64**

CREDITS TRANSFERRED TO BAKER COLLEGE

Course	Number	Course Title	Credit Hours
ENG	1010	COMPOSITION I	03
ENG	1020	COMPOSITION II	03
ECN	2010/ 2110	PRINCIPLES OF MACROECON/ PRINCIPLES OF MICROECON	03
SOC	3210	CULTURAL DIVERSITY	03
HUM	4010	PHILOSOPHY OF ETHICS	03
SPK	2010	ORAL COMMUNICATIONS	03
CS	1110	INTRO TO PROGRAMMING	03
SCI	2460	GENERAL CHEMISTRY	04
SCI	2510	GENERAL PHYSICS I	04
SCI	2520	GENERAL PHYSICS II	04
MTH	1510	CALCULUS I	04
MTH	2510	CALCULUS II	04
MTH	3510	MULTIVARIABLE CALCULUS	04
MTH	3550	DIFF. EQ. AND LINEAR ALGEBRA	04
EE	2210	DIGITAL LOGIC AND CIRCUITS	03

**TOTAL CREDITS TRANSFERRED TO
BAKER COLLEGE** **52**

ARTICULATION AGREEMENT

This transfer guide is part of a formal articulation agreement between Baker College and Wayne County Community College. The complete, signed document is kept on file at both Wayne County Community College and Baker College.

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Wayne County Community College

Bachelor of Science—Electrical Engineering

COURSES TO BE COMPLETED WITH BAKER COLLEGE – BS ELECTRICAL ENGINEERING PROGRAM

Course	Number	Course Title	Credit Hours
EE	2110	CIRCUITS AND ELECTRONICS I	04
EE	2120	CIRCUITS AND ELECTRONICS II	04
EE	3130	CIRCUITS AND ELECTRONICS III	04
EE	3210	MICROCONTROLLERS	03
EE	3250	AUTOMATION AND CONTROL	02
EE	3270	MICROPROCESSOR/AUTOMATION AND CONTROL LAB	01
EE	3410	ELECTROMAGNETIC FIELDS AND WAVES	04
EE	3610	DYNAMIC SYSTEMS AND CONTROL	03
EE	4310	SIGNALS AND SYSTEMS	03
EE	4350	COMMUNICATION SYSTEMS AND CONTROL	03
EE	4510	ENERGY CONVERSION AND POWER ELECTRONICS	04
EE	4610	ROBOTICS	03
EE	XXXX	ELECTRICAL ENGINEERING TECHNICAL ELECTIVE I	03
EE	XXXX	ELECTRICAL ENGINEERING TECHNICAL ELECTIVE II	03
EE	XXXX	ELECTRICAL ENGINEERING TECHNICAL ELECTIVE III	03
EGR	1050	INTRODUCTION TO ENGINEERING AND DESIGN	02
EGR	2710	COMPUTING FOR ENGINEERS	02
EGR	3210	ENGINEERING ECONOMY	02
EGR	4910	ENGINEERING PROJECT MANAGEMENT	03
EGR	4920	SENIOR DESIGN PROJECT	02
ME	2110	MATERIALS SCIENCE	04
MTH	2750	STATISTICAL METHODS	03
WRK	3010	WORK EXPERIENCE	03
TOTAL CREDIT HOURS REMAINING AT BAKER COLLEGE			68
PROGRAM TOTAL			120

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Effective Date: August 1, 2019 — July 31, 2022