

TRANSFER PATHWAY TO OU ECE

Associate in Science (AS) in Engineering at the Oklahoma City Community College (OCCC) to Bachelor of Science (BS) in Electrical Engineering at the University of Oklahoma (OU)

Credit Hours at OCCC 63 + Credit Hours at OU 65 = 128 Total Credit Hours

Transfer Map Catalog Year: 2025-2027

Note to Students: Transfer maps provide a semester-by-semester guide to a university showing how OCCC courses transfer to a specific bachelor's degree program. This transfer map is based on a full-time schedule and is just one example of how a student may successfully complete degree requirements for both programs. Students should work with an OCCC advisor and the university to ensure they are on-time and on-track for transfer. Students are responsible for understanding the program/admission/transfer requirements for the university and for completing requirements in the official degree sheet for each major.

OKLAHOMA CITY COMMUNITY COLLEGE – SEMESTER ONE		
OCCC Course	OU Course	Credit Hours
ENGL 1113 - English Composition I	ENGL 1113 - Principles of English Comp	3
MATH 2104 - Calculus & Analytic Geometry I	MATH 1914 - Diff & Integral Calculus I	4
CHEM 1415 - Chemistry for Engineers	CHEM 1324 - Chemistry for Engineers	5
ENGR 1113 - Introduction to Engineering	ENGR 1999 - Lower Division Transfer Credit	3
SCL 1001 - Success in College and Life	TRF 1999 -Lower Division Transfer Credit	1
Semester Credit Hours at OCCC:		16

OKLAHOMA CITY COMMUNITY COLLEGE – SEMESTER TWO		
OCCC Course	OU Course	Credit Hours
ENGL 1213 - English Composition II	ENGL 1213 - Principles of English Comp	3
MATH 2214 - Calculus & Analytic Geometry II	MATH 2924 - Diff & Integral Calculus II	4
PHYS 2014 - Engineering Physics I	PHYS 2514 - General Physics Engr/Sciences & PHYS 1311 - General Physics lab	4
CS 1143 - Beginning Programming	C S 1313 - Programming for Non-Majors with C	3
HIST 1483 or 1493 - U.S History	HIST 1483 or 1493 - History of the United States	3
Semester Credit Hours at OCCC:		17

OKLAHOMA CITY COMMUNITY COLLEGE – SEMESTER THREE		
OCCC Course	OU Course	Credit Hours
MATH 2314 - Calculus & Analytic Geometry III	MATH 2934 - Diff & Integral Calculus III	4
ENGR 2214 - Intro to Digital Design	ENGR 2214 - Intro to Digital Design	4
Social Science (Core III: General Education)	Social Science (Core III: General Education)	3
PHYS 2114 - Engineering Physics II	PHYS 2524 - General Physics Engr/Sciences & PHYS 1321 - General Physics lab	4
Semester Credit Hours at OCCC:		15

OKLAHOMA CITY COMMUNITY COLLEGE – SEMESTER FOUR

OCCC Course	OU Course	Credit Hours
ENGR 2613 - Electrical Science	ECE 2723 - Electrical Circuits I	3
ENGR 2713 - Digital Signals & Filtering	ENGR 2713 - Digital Signals & Filtering	3
Western Culture (Core IV: General Education)	Western Culture (Core IV: General Education)	3
Artistic Form (Core IV: General Education)	Artistic Form (Core IV: General Education)	3
POLSC 1113 - American Federal Government	PSC 1113 - American Federal Government	3
Semester Credit Hours at OCCC:		15

Congratulations you have earned your Associate in Science Degree from OCCC! Time to celebrate!

UNIVERSITY OF OKLAHOMA – SUMMER [a]

OU Course	Credit Hours
MATH 3113 - Intro - Ordinary Differential Equations	3
ENGR 2002 - Professional Responsibilities and Skills of Engineers [c]	2
Semester Credit Hours at OU:	5

UNIVERSITY OF OKLAHOMA – SEMESTER FIVE [a]

OU Course	Credit Hours
ECE 2523 - Probability, Statistics, and Random Processes	3
ENGR 3511 - Engineering Orientation for Transfer Students [b]	1
ECE 3613 - Electromagnetic Fields I	3
ECE 3723 - Electrical Circuits II	3
ECE 3773 - Electrical and Computer Engineering Circuits Laboratory	3
ECE 3813 - Introductory Electronics	3
Semester Credit Hours at OU:	16

UNIVERSITY OF OKLAHOMA – SEMESTER SIX [a]

OU Course	Credit Hours
MATH 3333 - Linear Algebra I	3
ECE 3113 - Energy Conversion I	3
ECE 3223 - Microprocessor System Design	3
ECE 3793 - Signals and Systems	3
ECE 3873 - Electrical and Computer Engineering Electronics Laboratory	3
Semester Credit Hours at OU:	15

UNIVERSITY OF OKLAHOMA – SEMESTER SEVEN [a]

OU Course	Credit Hours
ECE 3223 - Introduction to Solid State Electronic Devices	3
ECE 4723 - Digital Design Laboratory	3
ECE 4000-5000 elective [d]	3
ECE 4000-5000 elective [d]	3
PHYS 3223 - Modern Physics for Engineers	3
Semester Credit Hours at OU:	15

UNIVERSITY OF OKLAHOMA – SEMESTER EIGHT [a]	
OU Course	Credit Hours
ECE 4773 - Laboratory (Special Topics)	3
ECE 3000+ level elective [d]	3
ECE 4000-5000 elective [d]	3
ECE 2 hour professional elective [d]	2
Upper Division Gen Ed 3000+ level [e]	3
Semester Credit Hours at OU:	14

Congratulations you have earned your Bachelor's Degree from OU! Time to celebrate!

[a] Students must have minimum 60 hours completed at OU or from a baccalaureate degree-granting institution. At OU 40 hours of upper-division coursework; and 30 hours in residence must be met to complete the BS degree.

[b] Transfer students will need to meet the requirements of the first-year experience course as well as ENGR 3511. First Year Experience (Core V) is waived for students who earn an A.S. Degree.

[c] ENGR 2002 Professional Responsibilities and Skills of Engineers may be taken in the summer session at OU between the second and third years.

[d] Electives are to be taken from a departmental list, please contact your OU advisor for more information.

[e] Per OU requirements, at least one course used to satisfy the general education requirements (Core IV) must be at the upper division level and outside of the student's major.

OCCC Milestones and Recommended Actions:

- **Consider Summer Courses:** Summer courses at OCCC can help accelerate your time to transfer and help you stay on track. Talk to your advisor about planning summer courses.
- **During or After Year One at OCCC:** Consider a campus tour of OU and connect with an OU academic advisor, to ensure you are on track to transfer. Your OCCC academic advisor can assist in planning these actions.
- **During Year Two at OCCC:** During or right after semester three coursework, apply for admission at OU as a transfer student. [Undergraduate Transfer Admission](#)
- **Final Semester at OCCC:** Congratulations you are about to earn your Associate in Science Degree! Be sure to apply for graduation. [Graduation Services](#)
- **Transcripts:** After your final semester, submit an official OCCC transcript to OU [Transcripts](#)
- **Reverse Transfer:** Students who transfer to a university before completing an associate degree and who have earned at least 15 credit hours from OCCC may be eligible to complete their OCCC degree through Reverse Transfer. To see if you qualify for a degree through the Reverse Transfer program refer to this link [What is Reverse Transfer?](#)

University of Oklahoma Program Notes and Information:

- Students must complete a minimum of 60 hours at OU or from a baccalaureate degree granting institution to earn a bachelor's degree. This is an [Oklahoma State Regents for Higher Education policy](#).
- Students must complete a minimum of 30 hours at OU, fifteen hours must be upper-division (3000-& 4000-level) major courses. This is an [Oklahoma State Regents for Higher Education policy](#).
- Some OU courses are only offered once per year.

College Specific Program Notes and Information:

- At least one General Education category course must be at the Upper Division level (3000 or 4000 level) and outside a student's major.

- **College of Engineering Foreign Language Requirement** - Students can meet the OU foreign language requirement by completing two years of the same language in high school and it is reflected on their high school transcript, or a completed Associate degree.

Learn More About Programs in this Pathway:

- OCCC Engineering Program – [OCCC Engineering](#)
- OU Electrical Engineering Program - [Electrical and Computer Engineering](#)

University Transfer Contact Information

Transfer Advising
Oklahoma City Community College
[OCCC Transfer Advising Link](#)
Contact: 405.682.7849
advisinghelp@occc.edu

Transfer Admission & Recruitment
University of Oklahoma
www.ou.edu/transfer
Contact: 405.325.2151
transfer@ou.edu

APPROVAL SIGNATURE PAGE

<i>Dr. J.R. Cruz</i>	07/24/2026 11:19 AM C
Program Coordinator/Chair, Dr. J.R Cruz, University of Oklahoma	Date
<i>Dr. Randa L Shehab</i>	07/24/2026 10:11 AM C
Associate Dean of Engineering, Dr. Randa Shehab, University of Oklahoma	Date
<i>Susmita Hazra</i>	07/23/2026 4:40 PM CD
Dean of Science, Engineering, and Mathematics, Dr. Susmita Hazra Oklahoma City Community College	Date
<i>Dr. Mickey Jack</i>	07/27/2026 8:04 AM CD
Assistant Vice President of Academic Affairs, Dr. Mickey Jack Oklahoma City Community College	Date
<i>Dr. Liz Largent</i>	07/23/2026 4:44 PM CD
Senior Vice President of Academic Affairs, Dr. Liz Largent Oklahoma City Community College	Date