

Oklahoma City Community College to The University of Oklahoma

TRANSFER PATHWAY

Associate in Science in Electrical Science at Oklahoma City Community College to Bachelor* of Science in Electrical Engineering at the University of Oklahoma

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

Transfer Map Catalog Year: 2024-2025

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.

*A bachelor’s degree requires a minimum of 60 hours completed from bachelor’s degree-granting institutions and 30 hours in residence at OU.

Year One – Oklahoma City Community College			
Semester One		Semester Two	
OCCC Course and OU Equivalent Course	Hrs.	OCCC Course and OU Equivalent Course	Hrs.
OCCC Course MATH 2104 Calculus & Analytic Geometry I OU Equivalent MATH 1914 Differential & Integral Calculus I	4	OCCC Course MATH 2214 Calculus & Analytic Geo. II OU Equivalent MATH 2924 Differential & Integral Calculus II	4
OCCC Course CHEM 1115 General Chemistry OU Equivalent CHEM 1315 General Chemistry I	5	OCCC Course PHYS 2014 Engineering Physics I OU Equivalent PHYS 2514 Phys for Engr & Sci I (3 hr) & 1311 lab	4
OCCC Course ENGL 1113 English Composition I OU Equivalent ENGL 1113 English Composition I	3	OCCC Course ENGL 1213 English Composition II OU Equivalent ENGL 1213 English Composition II	3
OCCC Course ENGR 1113 Intro to Engineering OU Equivalent	3	OCCC Course CS 1143 Beginning Programming OU Equivalent CS 1313 Programming for Non-Majors with C	3
OCCC Course SCL 1001 Success in College and Life OU Equivalent	1	OCCC Course HIST 1483 or 1493 U.S. History OU Equivalent HIST 1483 or 1493 U.S. History	3
Semester Credit Hours at OCCC		Semester Credit Hours at OCCC	17

Year Two – Oklahoma City Community College			
Semester Three		Semester Four	
OCCC Course and OU Equivalent Course	Hrs.	OCCC Course & OU Equivalent Course	Hrs.
OCCC Course MATH 2314 Calculus & Analytic Geo. III OU Equivalent MATH 2934 Diff. & Integral Calculus III	4	OCCC Course POLS 1113 American Fed Government OU Equivalent: P SC 1113 American Fed Government	3
OCCC Course PHYS 2114 Engineering Physics II OU Equivalent PHYS 2524 Phys for Engr & Sci II (3 hr) & 1321 lab	4	OCCC Course Western Culture (Core IV: General Education) OU Equivalent	3
OCCC Course ENGR 2214 Intro to Digital Design OU Equivalent ECE 2214 Intro to Digital Design	4	OCCC Course ENGR 2613 Electrical Science OU Equivalent ECE 2723 Electrical Circuits 1	3
OCCC Course Social Science (Core III: General Education) OU Equivalent	3	OCCC Course ENGR 2713 Digital Signals & Filtering OU Equivalent ECE 2713 Digital Signals & Filtering	3
		OCCC Course Artistic Forms (Core IV: General Education) OU Equivalent	3
Semester Credit Hours at OCCC		Semester Credit Hours at OCCC	15

Summer Term

Complete the summer between completing an OCCC Associates & beginning OU Bachelors.

ENGR 3511 Transfer Orientation (online) – 1 hour

ENGR 2002 Professional Skills for Engineers (video conference) - 2 hours

MATH 3113 Differential Equations – 3 hours

Semester Credit Hours at OU: 6 total hours

Year Three – The University of Oklahoma

Semester Five		Semester Six	
OU Course	Hrs.	OU Course	Hrs.
ECE 2523 Probability, Statistics, & Random Processes	3	MATH 3333 Linear Algebra	3
ECE 3723 Electrical Circuits II	3	ECE 3793 Signals & Systems	3
ECE 3813 Introductory Electronics	3	ECE 3873 ECE Electronics	3
ECE 3773 ECE Circuits Laboratory	3	ECE 3223 Microprocessor System Design	3
ECE 3613 Electromagnetic Fields I	3	ECE 3113 Energy Conversion I	3
Semester Credit Hours at OU	15	Semester Credit Hours at OU	15

Year Four – The University of Oklahoma

Semester Seven		Semester Eight	
OU Course	Hrs.	OU Course	Hrs.
ECE 4000-5000 level Elective (3 hours)	3	ECE 4000-5000 level Elective (3 hours)	3
ECE 4000-5000 level Elective (3 hours)	3	ECE 4773 Special Projects Laboratory (Capstone)	3
ECE 4273 Digital Design Laboratory	3	ECE 3000+ level Elective (3 hours)	3
ECE 3323 Intro to Solid State Electronic Devices	3	Professional Elective (2 hours)	2
**PHYS 3223 Modern Physics for Engineers	3	World Culture (3 hours) UD	3
Semester Credit Hours at OU	15	Semester Credit Hours at OU	14

**** Modern Physics for Engineers may be offered at OCCC but needs to be taken at OU for Upper Division credit hour purposes.**

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-Norman and connect with an OU transfer admissions officer [Connect with Your Admissions Counselor](#) and OU Engineering Academic Advisor [Advising \(ou.edu\)](#), to ensure you are on track to transfer.
- **During Year Two at OCCC:** During or right after semester three coursework, apply for admission at OU-Norman as a transfer student <https://www.ou.edu/admissions/apply/transfer>.
- **Final Semester at OCCC:** Congratulations you are about to earn your Associate Degree! Be sure to apply for graduation @ <https://www.occc.edu/get/>.
- **Transcripts:** After your final semester, submit an official OCCC transcript to OU with all grades earned posted <https://www.occc.edu/records/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. Email [OCCC Graduation Services](#) to see if you qualify for a degree through the Reverse Transfer program https://www.occc.edu/get/reverse_transfer/.

Learn More About Programs in this Transfer Pathway:

OCCC A.S. Electrical Science

<https://www.occc.edu/courses/engineering/electrical-science/>

OU Electrical Engineering Bachelor of Science

<https://ou-public.courseleaf.com/gallogly-engineering/electrical-computer-engineering/electrical-engineering-bachelor-science/>

met Regents Upper Division: 40

met Regents Total Hours: 120

met Regents Residency: 30

met Regents Senior College: 60

met COE Residency for JR & SR: 36 [ECE 2523, 3723, 3813, 3773, 3613, 3793, 3873, 3223, 3113, 4273, 3323, & 4773](#)

met COE Residency for Major at OU: 24 [ECE 2523, 3723, 3813, 3773, 3613, 3793, 3873, 3223, 3113, 4273, 3323, & 4773](#)

University Transfer Contact Information

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

For The University of Oklahoma:

Signed by:

Dr. J.R. Cruz

08/15/2024 | 4:00 P

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Dr. J.R. Cruz, Ph.D., Department Chair/School Director

Date

Signed by:

Dr. Randa L Shehab

07/30/2024 | 4:16 P

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Dr. Randa Shehab, Ph.D., Academic Dean

Date

For Oklahoma City Community College

Signed by:

Dr. Gregory Holland

07/31/2024 | 9:57 A

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Dr. Gregory Holland, Ph.D., Department Chair/School Director

Date

Signed by:

Dr. C. Max Simmons

07/30/2024 | 4:20 P

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Dr. Max Simmons, Ph.D. Academic Dean

Date

DocuSigned by:

Mr. Mickey Jack

07/30/2024 | 3:40 P

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Mr. Mickey Jack, Assistant Vice-President for Academic Affairs

Date

DocuSigned by:

Dr. Juanita Ortiz

07/30/2024 | 3:48 P

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Dr. Juanita Ortiz, Vice-President for Academic Affairs

Date

Please return the finalized and signed Transfer Pathways document in digital form to provost.ou.edu. If you have any questions, please call Johnnie-Margaret McConnell, Director of Transfer Student Success, johnniemargaret@ou.edu or (405) 325-3979.