Docusign Envelope ID: 6B95ADD0-A22D-863C-8284-CEEE0F135E17

Oklahoma City Community College to The University of Oklahoma

TRANSFER PATHWAY

Associate in Science in Engineering at Oklahoma City Community College to Bachelor of Science in Industrial Systems Engineering at the University of Oklahoma

Credit Hours at OCCC 59 + 68 Credit Hours at OU = 127 Total Credit Hours
Transfer Map Catalog Year: 2026-2027 (1 year)

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	3
SCL 1001 Success in College and Life	TRF 1999 – Lower Division	1
Semester Credit Hours at OCCC:		16

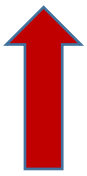
OKLAHOMA CITY COMMUNITY COLLEGE – SEMESTER TWO		
OCCC Course	**OU Course**	**Credit Hours**
ENGL 1213 – English Composition II	ENGL 1213 – Principles of English Comp	3
MATH 2214 – Calculus & Analytic Geometry II	MATH 2924 – Diff & Integral Calculus II	4
PHYS 2014 – Engineering Physics I	PHYS 2514 – General 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

Docusign Envelope ID: 6B95ADD0-A22D-863C-8284-CEEE0F135E17

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 2243 – Statics	AME 2113 - Statics	3
Artistic Forms (Core IV: General Education)	Artistic Forms (Core IV: General Education)	3
PHYS 2114- Engineering Physics II	PHYS 2524 - General Physics Engr/Sciences	4
Semester Credit Hours at OCCC:		14

OKLHOMA CITY COMMUNITY COLLEGE – SEMESTER FOUR		
OCCC Course	**OU Course**	**Credit Hours**
MATH 2413 – Intro to Ordinary Differential Equations	MATH 3113 – Intro to Ordinary Differential Equations (Math elective for ISE)	3
Western Culture (Core IV: General Education	Western Culture (Core IV: General Education)	3
Social Science (Core III: General Education)	Social Science (Core III: General Education)	3
POLSC 1113 – American Federal Government	PSC 1113 - American Federal Government	3
Semester Credit Hours at OCCC:		12

UNIVERSITY OF OKLAHOMA – SUMMER [a]	
OU Course	**Credit Hours**
CEES 2153 – Mechanics of Materials [b], [c]	3
ISE 3293 – Applied Engineering Statistics [b, [c]	3
Semester Credit Hours at OU:	6



At the completion of summer, submit your OU transcript to OCCC for a reverse transfer to complete your Associate Degree requirements.

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

UNIVERSITY OF OKLAHOMA – SEMESTER FIVE [a]	
OU Course	**Credit Hours**
ISE 2823 – Enterprise Engineering	3
ENGR 3511 - Engineering Orientation for Transfer Students [d]	1
ENGR 2002 – Professional Responsibilities and Skills of Engineers [e]	2
ISE 4113 – Spreadsheet Based Decision Support Systems	3
ISE 4553 – Data Driven Decision Making I	3
ISE 4623 – Deterministic Systems Models	3
Semester Credit Hours at OU:	15

Docusign Envelope ID: 6B95ADD0-A22D-863C-8284-CEEE0F135E17

UNIVERSITY OF OKLAHOMA – SEMESTER SIX [a]	
OU Course	**Credit Hours**
ISE 2303 – Design & Manufacturing Processes	3
ISE 2311 – Computer – Aided Design & Graphics Lab	1
ISE 4223 – Ergonomics in System Design	3
ISE 4563 – Quality & Reliability Engineering	3
ISE 4633 – Probabilistic Systems Models	3
ISE 4804 – Ergonomics in System Design	4
Semester Credit Hours at OU:	17

UNIVERSITY OF OKLAHOMA – SEMESTER SEVEN [a]	
OU Course	**Credit Hours**
ISE 3304 – Design & Manufacturing II	4
ISE 4333 – Productions and Systems Operations	3
ISE 4383 – Systems Evaluation	3
ISE 4663 – Systems Analysis Using Simulation	3
ISE 4853 – Data Driven Decision Making II	3
Semester Credit Hours at OU:	16

UNIVERSITY OF OKLAHOMA – SEMESTER EIGHT [a]	
OU Course	**Credit Hours**
ISE 4393 – Capstone Design Project	3
ISE Elective [f]	3
ISE Tech Elective [f]	3
ISE 4302 – Systems Thinking	2
Upper Division Gen Ed 3000+ level [g]	3
Semester Credit Hours at OU:	14

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

a] Students must have 60 hours minimum 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] Both of the required summer courses are regularly offered at OU and could be taken in person prior to transferring if pre-requisites are met.
[c] At the completion of summer, it is time to submit your OU transcript to OCCC for a reverse transfer to complete your Associate Degree requirements.
[d] 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.
[e] ENGR 2002 Professional Responsibilities may be taken in the summer session at OU between the second and third years.
[f] Electives are to be taken from a departmental list, please contact your OU advisor for more information.
[g] 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.

Docusign Envelope ID: 6B95ADD0-A22D-863C-8284-CEEE0F135E17

- **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 Degree! Be sure to apply for graduation Graduation Services
- **Transcripts:** After your final semester, submit an official OCCC transcript with your grades posted 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 ISE program - School of Industrial & Systems 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* https://www.ou.edu/admissions/apply/transfer Contact: 405.325.2151 transfer@ou.edu

Docusign Envelope ID: 6B95ADD0-A22D-863C-8284-CEEE0F135E17

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:

11/01/2026 | 1:54 PM CS

Dr. Shivakumar Raman, University of Oklahoma — Date
Program Coordinator/Chair

Dr. Randa L Shehab

10/29/2026 | 9:09 AM CD

Dr. Randa Shehab, University of Oklahoma — Date
Associate Dean of Engineering

For Oklahoma City Community College:

Dr. Susmita Hazra

10/29/2026 | 5:36 AM CD

Dr. Susmita Hazra, Oklahoma City Community College — Date
Dean of Science, Engineering, and Mathematics

Dr. Mickey Jack

10/29/2026 | 7:04 AM CD

Dr. Mickey Jack, Oklahoma City Community College — Date
Assistant Vice President of Academic Affairs

Dr. Liz Largent

10/28/2026 | 11:27 AM C

Dr. Liz Largent, Oklahoma City Community College — Date
Senior Vice President of Academic Affairs

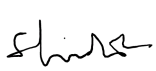
Certificate Of Completion

Envelope Id: 6B95ADD0-A22D-863C-8284-CEEE0F135E17
Status: Completed
Subject: Signature Request - OCCC A.S. in Engineering to OU's Industrial Systems Engineering Pathway
LaserficheDepartment:
Source Envelope:
Document Pages: 5
Signatures: 5
Certificate Pages: 5
Initials: 0
AutoNav: Enabled
EnvelopeId Stamping: Enabled
Time Zone: (UTC-06:00) Central Time (US & Canada)

Envelope Originator:
Johnnie-Margaret Mc Connell
940 Stanton L Young Blvd
BMSB 853
Oklahoma City, OK 73104
johnniemargaret@ou.edu
IP Address: 129.15.64.228

Record Tracking

Status: Original
10/28/2026 10:11:39 AM
Holder: Johnnie-Margaret Mc Connell
johnniemargaret@ou.edu
Location: DocuSign

Signer Events	Signature	Timestamp
Dr. Liz Largent liz.a.largent@occc.edu Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 170.89.83.233 Signed using mobile	Sent: 10/28/2026 10:15:21 AM Viewed: 10/28/2026 11:27:45 AM Signed: 10/28/2026 11:27:55 AM
Electronic Record and Signature Disclosure: Accepted: 10/28/2026 11:27:45 AM ID: 94d04848-75ab-48e2-9a67-3afcb78f2b63		
Dr. Mickey Jack mickey.d.jack@occc.edu Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 164.58.66.129	Sent: 10/28/2026 10:15:19 AM Viewed: 10/29/2026 7:04:28 AM Signed: 10/29/2026 7:04:54 AM
Electronic Record and Signature Disclosure: Accepted: 10/29/2026 7:04:28 AM ID: 141c7773-5702-4d3f-bda7-d8ddceb72ba7		
Dr. Randa L Shehab rlshehab@ou.edu Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 129.15.65.245	Sent: 10/28/2026 10:15:19 AM Viewed: 10/29/2026 9:08:52 AM Signed: 10/29/2026 9:09:20 AM
Electronic Record and Signature Disclosure: Not Offered via Docusign		
Dr. Shivakumar Raman raman@ou.edu Security Level: Email, Account Authentication (None)	 Signature Adoption: Drawn on Device Using IP Address: 75.104.93.116 Signed using mobile	Sent: 10/28/2026 10:15:20 AM Viewed: 11/1/2026 1:54:07 PM Signed: 11/1/2026 1:54:35 PM
Electronic Record and Signature Disclosure: Accepted: 11/1/2026 1:54:07 PM ID: 14dc2b9c-b249-4892-b857-67a41473f561		

Signer Events	Signature	Timestamp
Dr. Susmita Hazra susmita.hazra@occc.edu Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 2600:1702:50c3:5870:6518:8f71:16a7:f641	Sent: 10/28/2026 10:15:20 AM Viewed: 10/29/2026 5:36:11 AM Signed: 10/29/2026 5:36:48 AM

Electronic Record and Signature Disclosure:
Accepted: 10/29/2026 5:36:11 AM
ID: f847fe9d-4b38-4455-90e2-33cff5e24b17

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	10/28/2026 10:15:21 AM
Certified Delivered	Security Checked	10/29/2026 5:36:11 AM
Signing Complete	Security Checked	10/29/2026 5:36:48 AM
Completed	Security Checked	11/1/2026 1:54:35 PM

Payment Events	Status	Timestamps

Electronic Record and Signature Disclosure

ELECTRONIC RECORD AND SIGNATURE DISCLOSURE

From time to time, University of Oklahoma (we, us or Company) may be required by law to provide to you certain written notices or disclosures. Described below are the terms and conditions for providing to you such notices and disclosures electronically through the DocuSign system. Please read the information below carefully and thoroughly, and if you can access this information electronically to your satisfaction and agree to this Electronic Record and Signature Disclosure (ERSD), please confirm your agreement by selecting the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

Getting paper copies

At any time, you may request from us a paper copy of any record provided or made available electronically to you by us. You will have the ability to download and print documents we send to you through the DocuSign system during and immediately after the signing session and, if you elect to create a DocuSign account, you may access the documents for a limited period of time (usually 30 days) after such documents are first sent to you. After such time, if you wish for us to send you paper copies of any such documents from our office to you, you will be charged a $0.00 per-page fee. You may request delivery of such paper copies from us by following the procedure described below.

Withdrawing your consent

If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact University of Oklahoma:

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:
To contact us by email send messages to: jschilling@ou.edu

To advise University of Oklahoma of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at jschilling@ou.edu and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

If you created a DocuSign account, you may update it with your new email address through your account preferences.

To request paper copies from University of Oklahoma

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to jschilling@ou.edu and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

To withdraw your consent with University of Oklahoma

To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;

ii. send us an email to jschilling@ou.edu and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: https://support.docusign.com/guides/signer-guide-signing-system-requirements.

Acknowledging your access and consent to receive and sign documents electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

By selecting the check-box next to 'I agree to use electronic records and signatures', you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify University of Oklahoma as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by University of Oklahoma during the course of your relationship with University of Oklahoma.
- You will not create or retain ANY protected health information (PHI) in any form (patient/participant records, patient/participant forms) through this system.
- If you inadvertently enter any such information into this system, you will contact the HIPAA Compliance Team immediately.