



Transfer Pathways

 Associate in: Applied Sciences in Engineering Transfer College: Cameron University

 Bachelor of: Mechanical Engineering OU Campus: Norman

 Catalog Year: 2022-2023

 Total Credit Hours at CU (92) + Total Credit Hours at OU (42) = **134 Credit Hours**

Note to students: Transfer Pathways provide a semester-by-semester guide from the transfer college to The University of Oklahoma showing course equivalency. This university transfer pathway is based on a full-time academic load, but it can be adjusted to fit a part-time schedule. To ensure maximum transferability of credits, please work with your advisors at both institutions to ensure you are taking the correct courses to transfer on-time and on-track. Students are responsible 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.
- Students matriculating into the Oklahoma State Higher Education system Fall 2021 forward who do not complete an Associate of Arts or an Associate of Science degree prior to transferring to OU, will also need to complete a First Year Experience course.

Year One – Cameron University

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Semester One		Semester Two	
Transfer Course and OU Equivalent Course	Hrs.	Equivalent Course	Hrs.
Transfer Course: ENGL 1113 - Comp I OU Equivalent: ENGL 1113	3	Transfer Course: ENGL 1213 - Comp II OU Equivalent: ENGL 1213	3
Transfer Course: CHEM 1364/1361 - General Chem OU Equivalent: CHEM 1315	5	Transfer Course: ENGR 2113 - Statics OU Equivalent: AME 2113	3
Transfer Course: CS 1314/L –Computer Sci I & Lab OU Equivalent: AME 2402	4	Transfer Course: MATH 2235 - Calculus II OU Equivalent: MATH 2924	5
Transfer Course: MATH 2215 - Calculus I (Calc I requires an ACT score of 28 in Math OR prerequisites of MATH 1513 College Algebra and MATH 1613 Trigonometry) OU Equivalent: MATH 1914	5	Transfer Course: PHYS 2015/2015L - Physics I OU Equivalent: PHYS 2514	5
CU Course: ENGR 1411 - Introduction to ENGR	1	CU Course: UNIV 1001 - Introduction to Univ Life	1
CU Course: ENGR 1412 Engineering Design and CAD	2		
Semester Credit Hours at Transfer College:	20	Semester Credit Hours at Transfer College:	17

Year Two – Cameron University

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Semester Three		Semester Four	
Transfer Course and OU Equivalent Course	Hrs.	Equivalent Course	Hrs.
Transfer Course: HIST 1483 or HIST 1493 OU Equivalent: HIST 1483 or HIST 1493	3	Transfer Course: MATH 3253 - Differential Equations OU Equivalent: MATH 3113G	3
Transfer Course: MATH 2244 - Calculus 3 OU Equivalent: MATH 2934	4	OU Course: ISE 2303– Materials, Design and Manufacturing Processes (online)	3
Transfer Course: PHYS 2025/2025L - Physics 2 OU Equivalent: PHYS 2524	5	Transfer Course: ENGR 2533 - Dynamics OU Equivalent: AME 2533	3
Transfer Course: ENGR 2223 - Fluid Mechanics OU Equivalent: AME 3153	3	Transfer Course: ENGR 2723 – Electrical Circuits OU Equivalent: AME 2431, 2531, 3431	3
Transfer Course: ENGR 2213 - Thermodynamics OU Equivalent: ENGR 2213 or AME 2213	3	Transfer Course: ENGR 2002 - Professional Dev OU Equivalent: ENGR 2002	2
		Transfer Course: PSY 1113 – General Psy. OU Equivalent: Social Science	3
Semester Credit Hours at Transfer College:	18	Semester Credit Hours at Transfer College:	17

Year Three – Cameron University			
Semester Five		Semester Six	
Transfer Course and OU Equivalent Course	Hrs.	Equivalent Course	Hrs.
Transfer Course: ENGR 2153 – Mechanics of Mat OU Equivalent: AME 3143	3	Transfer Course: ENGR 3173 – Heat Transfer OU Equivalent: AME 3173	3
Transfer Course: ENGR 3112 – Solids Laboratory OU Equivalent: AME 3112	2	Transfer Course: ENGR 3122 – Heat Transfer/Fluids Lab OU Equivalent: AME 3122	2
OU Course: AME 3723 – Numerical Methods for Engineering Computation (online)	3	Transfer Course: PHYS 3003/3001 – Modern Physics OU Equivalent: PHYS 3223G	4
Transfer Course: PHYS XXXX – Depends on Rotation* OU Equivalent: Technical Elective	3	OU Course: AME 3103 – Interactive Engineering Design Simulation (online)	3
Transfer Course: PS 1113 – Am Fed Gov OU Equivalent: PSC 1113	3	OU Course: AME 3353 – Design of Mechanical Components (online)	3
Transfer Course: FNAR 1013 – Multiculturalism OU Equivalent: World Culture	3	OU Course: ENGR 3511 – Engineering Transfer Orientation (online)	1
Semester Credit Hours at Transfer College:	17	Semester Credit Hours at Transfer College:	16

Year Four – University of Oklahoma			
Semester Seven		Semester Eight	
OU Course	Hrs.	OU Course	Hrs.
AME 3363	3	AME 4553	3
AME 4163	3	Experimental Elective	2
AME Engineering Science Elective	3	Technical Elective	3
AME Engineering Science Elective	3	Core IV - Western Culture***	3
UCOL 1523/1533/1543 Gateway course requirement**	3	Core IV – Artistic Forms***	3
Semester Credit Hours at OU:	15	Semester Credit Hours at OU:	14

***Technical Electives** (Physics technical elective can be taken at OU in 8th semester and transferred to CU)

Courses offered at Cameron University that will transfer to OU AME technical elective:

PHYS 3043 – Intro to Quantum Mechanics – Even SP (OU PHYS 3803 – Introduction to Quantum Mechanics I)

PHYS 3303 – Classical Mechanics – Even FA (OU PHYS 3053 - Physical Mechanics II; must be approved by OU-AME)

PHYS 4113 – Electricity and Magnetism – Odd SP (PHYS 3183 – Electricity and Magnetism I)

PHYS 4403 – Light and Optics – Odd FA (no OU equivalent; must be approved by OU-AME)

Courses offered at OU for physics technical electives:

PHYS 3043 – Physical Mechanics I

PHYS 3183 – Electricity and Magnetism

Any PHYS 4000 level and above

ALL OU STUDENTS:

**UCOL 1523/1533/1543 may be waived with the transfer of an Associate of Arts or an Associates of Science degree. Students transferring in an Associates of Applied Science will be required to complete this course.

*** One of the Core IV must be an upper-division course.

NOTE: Required 0-10 hours in same language (may be met by two years of the same language in high school or completion of Associate of Arts or an Associate of Science Degree)

Milestones and Recommended Actions:

- **Consider Summer Courses:** Summer courses 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:** Consider a campus tour of OU and connect with an OU academic advisor, to ensure you are on track to transfer.
- **During Year Two:** After semester three coursework, [apply for admission](#) to OU as a transfer student.
- **Final Semester at Transfer College:** Congratulations you are about to earn your A.S. or A.A.S. Be sure to apply for graduation at your transfer college.
- **Transcripts:** Submit an official transcript to OU.
- **Reverse Transfer:** If you have not earned an Associate in Applied Science or an Associate in Science and have completed 60 credit hours, with at least 15 of those hours completed at your transfer college, you may be eligible to receive your associate degree. Please contact your advisor or the Registrar's Office at your transfer college for more information.