Oregon TECH
Oregon Institute of Technology

Clackamas Community College
Associate of Science in Engineering
to
Oregon Institute of Technology
Bachelor of Science in Mechanical Engineering
Articulation Agreement
2025-2026 Catalog

It is agreed that students transferring with Clackamas Community College's (CCC) Associate of Science with an emphasis in Mechanical Engineering to Oregon Institute of Technology's (Oregon Tech) Bachelor of Science in Mechanical Engineering program will be given full credit for all selected courses listed below. This agreement is based on the evaluation of the rigor and content of the general education and technical courses at both CCC and Oregon Tech and is subject to a yearly reevaluation by both schools for continuance. This agreement is November 5th, 2025.

Bachelor degree-seeking students must complete a minimum of 60 credits of upper-division work before a degree will be awarded. Upper-division is defined as 300-and 400-level classes at a bachelor's degree granting institution. Bachelor degree-seeking students that transfer to Oregon Tech with 300-400 level transferable courses must complete at least 45 additional credits with Oregon Tech before a degree will be awarded.

Admission to Oregon Tech is not guaranteed. Students must apply for admission to Oregon Tech in accordance with the then-existing rules, policies and procedures of Oregon Tech. Dual Enrollment is possible according to an existing Memorandum of Understanding. Students are responsible for notifying the Oregon Tech Admissions and Registrar's Office when operating under an articulation agreement to ensure their credits transfer as outlined in this agreement. In order to utilize this agreement students must be attending CCC during the above catalog year. Students must enroll at Oregon Tech within three years of this approval.

Clackamas Community College

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Ni'Cole Sims, Director
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Oregon Institute of Technology

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Wendy Ivie
University Registrar

Clackamas Community College Degree Courses & Oregon Tech Equivalent Credits

Clackamas Community College Course Number & Title	Qtr. Units	Oregon Institute of Technology Course Number & Title	Qtr. Units
CDT 103 - Computer-Aided Drafting I	3	MET 241 - CAD for Mechanical Design I	2
CH 221Z - General Chemistry I (4) CH 227Z General Chemistry Laboratory (1)	5	Satisfies CHE 201/204 requirement: CHE 221Z - General Chemistry I (4) CHE 227Z – General Chemistry I Lab (1)	4
CH 222Z - General Chemistry II (4) CH 228Z General Chemistry Laboratory (1)	5	Satisfies CHE 202/205 requirement: CHE 222Z - General Chemistry II (4) CHE 228Z General Chemistry Laboratory (1)	4
COMM 111Z - Public Speaking	4	COM 111Z - Public Speaking	4
Choose: EC 201Z - Principles of Microeconomics or EC 202Z - Principles of Macroeconomics	4	Satisfies Economics Elective: ECO 201Z - Principles of Microeconomics or ECO 202Z - Principles of Macroeconomics	4
ENGR 111 - Introduction to Engineering	3	MECH 111 - MMET Orientation ACAD 110 – ETM Freshman Seminar	3 1
ENGR 112 - Engineering Programming	3	MECH 266 - Engineering Computation	3
ENGR 201 - Electrical Fundamentals	4	MECH 236 - Fundamentals of Electric Circuits	3
ENGR 211 – Statics	4	MECH 211 - Engineering Mechanics: Statics	4
ENGR 212 – Dynamics	4	MECH 212 - Engineering Mechanics: Dynamics	3
ENGR 213 - Strength of Materials	4	MECH 213 - Engineering Mechanics: Materials	4
ENGR 231 - Properties of Materials	4	MECH 260 - Engineering Materials I	3
Humanities Elective (Arts and Letters) [1]	3	Humanities Elective [1]	3
MTH 251Z - Differential Calculus	4	MATH 251Z - Differential Calculus	4
MTH 252Z - Integral Calculus	4	MATH 252Z - Integral Calculus	4
MTH 254 - Vector Calculus	5	MATH 254 - Vector Calculus I	4
MTH 256 - Differential Equations	4	MATH 321 - Applied Differential Equations I [2]	4
MTH 261 - Linear Algebra	4	MATH 341 - Linear Algebra I [2]	4
PH 211 - General Physics with Calculus	5	PHY 221 - General Physics with Calculus	4
PH 212 - General Physics with Calculus	5	PHY 222 - General Physics with Calculus	4
PH 213 - General Physics with Calculus	5	PHY 223 - General Physics with Calculus	4
Social Science Elective [3]	3	Social Science Elective [3]	3
WR 121Z – Composition I	4	WRI 121Z – Composition I	4
WR 227Z – Technical Writing	4	WRI 122Z – Composition II or WRI 227Z – Technical Writing	4

Total CCC Degree Credits [4]	**95**	**Total Oregon Tech Degree Credits**	**88**

Courses not required for Clackamas Community College's AS in Engineering but are required for Oregon Tech's BS in Mechanical Engineering and can be taken at CCC or Oregon Tech.

Clackamas Community College Course Number & Title	Qtr. Units	Oregon Institute of Technology Course Number & Title	Qtr. Units
COMM 219 - Small Group Discussion	4	SPE 321 - Small Group and Team Communication [2]	3
MFG 106 - Advanced Applied Geometric Dimensioning and Tolerancing for Manufacturing Must be at least 3 credits	3	MFG 314 - Geometric Dimensioning and Tolerancing [2]	3
MTT 112 - Manual Machining II	4	MFG 120 - Manufacturing Processes I	4
Social Science Elective [3]	6	Social Science Elective [3]	6
Additional CCC Degree Credits [4]	**14**	**Additional Oregon Tech Degree Credits**	**16**
Total CCC Degree Credits [4]	**109**	**Total Oregon Tech Degree Credits**	**104**

In addition to the above courses, the courses listed below are also required for the BS in Mechanical Engineering and should be completed at Oregon Tech.

Oregon Institute of Technology Course Number & Title	Qtr. Units
MATH 361 – Statistical Methods I	4
MECH 326 - Electric Power Systems	3
MECH 355 - Thermodynamics	3
MECH 490 - MMET Senior Projects I	3
MECH 491 - MMET Senior Projects II	3
MECH 492 - MMET Senior Projects III	3
Fluid Mechanics II Requirement MECH 417 - Fluid Mechanics II or MECH 418 - Fluid Mechanics II	4
HUM 125 - Introduction to Technology, Society and Values	3
MECH Elective [5]	9
MECH 313 - Thermodynamics II	3
MECH 315 - Machine Design I	3
MECH 316 - Machine Design II	3
MECH 318 - Fluid Mechanics I	4

MECH 323 - Heat Transfer I	3
MECH 351 - Finite Element Analysis	3
MECH 360 - Engineering Materials II	3
MECH 363 - Engineering Instrumentation	3
MECH 436 - Classical Control Systems	3
MECH 437 - Heat Transfer II	2
MECH 480 - Mechanical Vibrations	3
MET 242 - CAD for Mechanical Design II	2
MET 375 - Solid Modeling	3
WRI 327 - Advanced Technical Writing	3
Additional Oregon Tech Credits [6]	**76**
Total Oregon Tech Degree Credits [7]	**180**

1. Excess credits will transfer to Oregon Tech as general elective credit except for developmental course work; these credits will not be used toward the BME.

2. Students can transfer up to three (3) credit hours of Humanities electives into the BME; these courses should be designated as Humanities electives by Oregon Tech. Activity or performance-based Humanities courses are not accepted. Choose from the following CCC prefixes: ART, ENG, HUM, MUS, PHL, R, TA or Languages (second year/200-level only).

3. Does not count toward the 60 upper-division credit requirements.

4. Students can transfer up to nine (9) credit hours of Social Science electives into the BME; these courses should be designated as Social Science elective by Oregon Tech. Choose from the following CCC prefixes: ANT, EC, GEO, HST, PS, PSY, SOC, SSC, or WS.

5. The BME requires at least twelve (12) MECH Electives, which are upper-division courses and must be taken at Oregon Tech. MET and MFG electives are not acceptable.

6. Baccalaureate students must complete a minimum of 60 credits of upper-division work before a degree will be awarded. Upper-division is defined as 300- and 400- level classes at a bachelor's degree granting institution.

7. Oregon Tech's BME requires 180 credits.