



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

It is agreed that students transferring with Rogue Community College’s (RCC) Associate of Science in Mechanical Engineering to Oregon Institute of Technology’s (Oregon Tech) Bachelor of Science in Mechanical Engineering (BME) 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 RCC and Oregon Tech, and is subject to a yearly reevaluation by both schools for continuance. This agreement is November 1st, 2025.

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. Baccalaureate students at Oregon Tech must complete 45 credits from 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. 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 RCC during the above catalog year. Students must enroll at Oregon Tech within three years of this approval.

Rogue Community College

Oregon Institute of Technology

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Rogue Community College Degree Courses & Oregon Tech Equivalent Credits

Rogue Community College Course Number & Title	Qtr. Units	Oregon Institute of Technology Course Number & Title	Qtr. Units
CHEM 221Z - General Chemistry I (4) CHEM227Z- General Chemistry I Lab (1)	5	CHE 201 - General Chemistry I CHE 204 - General Chemistry I Laboratory	4
CHEM 222Z - General Chemistry II (4) CHEM228Z – General Chemistry II Lab (1)	5	CHE 202 - General Chemistry II CHE 205 - General Chemistry II Laboratory	4
COMM 111Z - Public Speaking	4	COM 111Z - Public Speaking	4
COMM 225 Small Group Communication	4	SPE 321 - Small Group and Team Communication ²	3
ECON 201Z - Principles of Microeconomics	4	Satisfies Economics Elective: ECO 201Z - Principles of Microeconomics	4
ENGR 111 - Engineering Orientation I	3	ACAD 110 - ETM Freshman Seminar	1
ENGR 112 Engineering Orientation II	3	MECH 111 - MMET Orientation	3
ENGR 201 - Electrical Fundamentals I (2) ENGR201L – Electrical Fundamentals Lab (1) ENGR 202 - Electrical Fundamentals II (2) ENGR202L – Electrical Fundamentals Lab (1)	6	MECH 236 - Fundamentals of Electric Circuits	3
ENGR 211 - Statics	4	MECH 211 - Engineering Mechanics: Statics	3
ENGR 212 - Dynamics	4	MECH 212 - Engineering Mechanics: Dynamics	3
ENGR 213 - Strength of Materials	4	MECH 213 - Engineering Mechanics: Strength of Materials	4
MTH 251Z Differential Calculus	4	MATH 251Z - Differential Calculus	4
MTH 252Z Integral Calculus	4	MATH 252Z - Integral Calculus	4
MTH 254 - Calculus IV - Vector Calculus	5	MATH 254 - Vector Calculus I	4
MTH 256 - Differential Equations	5	MATH 321 - Applied Differential Equations I ²	4
MTH 261 - Linear Algebra	5	MATH 341 - Linear Algebra ²	4
PH 211 - General Physics I (4) PH211 – General Physics I Lab (1) PH 212 - General Physics II (4) PH212L – General Physics II Lab (1) PH 213 - General Physics III (4) PH213L – General Physics III Lab (1)	15	PHY 221 - General Physics with Calculus, PHY 222 - General Physics with Calculus, and PHY 223 - General Physics with Calculus	12
WR 121Z - Composition I (RCC prerequisite to program)	4	WRI 121Z - English Composition	4
WR 122Z - Composition II or WR 227Z - Technical Writing	4	WRI 122Z - Argumentative Writing or WRI 227Z - Technical Report Writing	4
PSY201Z Introduction to Psychology I or Approved SOC SCI Elective	3-4	Social Science Elective	3-4
Total RCC Degree Credits ³	91- 92	Total Oregon Tech Degree Credits	79

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

Rogue Community College Course Number & Title	Qtr. Units	Oregon Institute of Technology Course Number & Title	Qtr. Units
MFG 121 – Machine Tool - Lathe I	4	MFG 120 - Introductory Machining Processes	4
STAT 243Z - Elementary Statistics I or MTH 244 - Inferential Statistics	8	Satisfies Statistics Requirement: MATH 361 - Statistical Methods I ²	4
Humanities/Social Science Electives ⁴	9	Humanities/Social Science Electives ⁴	9
Additional RCC Degree Credits ³	21	Additional Oregon Tech Degree Credits	17
Total RCC Degree Credits ³		Total Oregon Tech Degree Credits	96

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
MECH 266 - Engineering Computation – Checking for RCC Equivalent	3
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
MECH 417 – Fluid Mechanics II or MECH 418 – Fluid Mechanics II	3
HUM 125 - Introduction to Technology, Society, and Values	3
MECH Electives	8
MECH 260 - Engineering Materials I	3
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 241 - CAD for Mechanical Design I	2
MET 242 - CAD for Mechanical Design II	2
MET 375 - Solid Modeling	3
MFG 314 - Geometric Dimensioning and Tolerancing	3
PHIL 331 - Ethics in the Professions	3
WRI 327 - Advanced Technical Writing	3
Additional Oregon Tech Credits ⁵	84
Total Oregon Tech Degree Credits ⁶	180

1. 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. Furthermore, activity or performance-based Humanities courses are not accepted for the BME. Choose from the following RCC prefixes: ART, ENG, HUM, MUS, PHL, REL, TA, or Languages (second year/200-level only).
2. Does not count toward the 60 upper-division credit requirement.
3. Excess credits will transfer to Oregon Tech as general elective credit with the exception of developmental course work; these credits will not be used toward the BME.
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 RCC prefixes: ANTH, ECON, GEOG, HST, PS, PSY, or SOC.
5. 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.
6. Oregon Tech's BME requires 180 credits.