Columbia Gorge Community College
Associate of Applied Science in Electro-Mechanical Technology
to
Oregon Institute of Technology
Bachelor of Science in Operations Management

Articulation Agreement
2023 - 2024 Catalog

It is agreed that students transferring with Columbia Gorge Community College's (CGCC) Associate of Applied Science in Electro-Mechanical Technology to Oregon Institute of Technology's (Oregon Tech) Bachelor of Science in Operations Management (BOMG) 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 CGCC and Oregon Tech and is subject to a yearly reevaluation by both schools for continuance. This agreement is dated September 18th, 2023

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. 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. To utilize this agreement students must be attending CGCC during the above catalog year. Students must enroll at Oregon Tech within three years of this approval.

Columbia Gorge Community College	Oregon Institute of Technology

DocuSigned by:

Robert Wells-Clark   11/16/2023
─3639E1EA014340F...
Robert Wells-Clark, Director
Technology and Trades

DocuSigned by:

Carleen Drago Starr   11/8/2023
─25CA2B9EAB2949C...
Carleen Drago Starr, Director
Educational Outreach and Partnerships

DocuSigned by:

Jarett Gilbert   11/20/2023
─F4FABD8EDECE43F...
Jarett Gilbert, Vice President
Instructional Services

DocuSigned by:

Sonja Bickford   11/8/2023
─07034AFE9D10430...
Sonja Bickford, Department Chair
Management

DocuSigned by:

Abdy Afjeh   11/8/2023
─B2505B5D44F149F...
Abdy Afjeh, Interim Dean
College of Engineering, Technology, and Management

DocuSigned by:

Wendy Ivie   11/20/2023
─7221E685B193446...
Wendy Ivie,
University Registrar

Columbia Gorge Community College Degree Courses & Oregon Tech Equivalent Credits

Columbia Gorge Community College Course Number & Title	Qtr. Units	Oregon Institute of Technology Course Number & Title	Qtr. Units
CG 209 - Job Finding Skills	1	Electives	30
EET 111 – Electrical Circuit Analysis 1	5		
EET 112 – Electrical Circuit Analysis 2	5		
EET 113 – Electrical Circuit Analysis 3	5		
EET 141 - Motor Control	5		
EET 180 – Industrial Computing	3		
EET 219 - Programmable Logic Controllers	3		
EET 221 - Semiconductor Devices and Circuits 1	5		
EET 231 - Semiconductor Devices and Circuits 2	5		
EET 242 - Microcontroller Systems	5		
EET 251 - Digital Electronics 1: Programmable Logic Devices	5		
EET 252 - Digital Electronics 2: Programmable Logic Devices	5		
EET 273 - Electronic Control Systems	3		
MEC 120 – Hydraulics and Pneumatics	5		
MEC 123 - Industrial Mechanical Systems	5		
MEC 124 - Mechatronic Systems in Advanced Manufacturing	3		
RET 223 - Power Generation	5		
SAF 188 - Industrial Safety and OSHA 10	2		
General Education Electives [1] Humanities Electives [2] Social Science Electives (take EC 201, 202 & PSY 201A)	8 --	Humanities Electives [2] Social Science Electives [3]	6 --
MTH 111Z – Precalculus I: Functions [1]	4	MATH 111Z - Precalculus I: Functions	4
WR 121Z – Composition I	4	WRI 121Z – Composition I	4
Total CGCC Degree Credits [3]	91	Total Oregon Tech Degree Credits	44

Courses not required for Columbia Gorge Community College's AAS in Electro-Mechanical Technology but are required for Oregon Tech's BS in Operations Management and can be taken at CGCC or Oregon Tech.

Columbia Gorge Community College Course Number & Title	Qtr. Units	Oregon Institute of Technology Course Number & Title	Qtr. Units
BA 206 - Management Fundamentals	3	BUS 215 - Principles of Management	3
BA 211 - Principles of Accounting I	4	ACC 201 - Principles of Accounting I	4
BA 213 - Managerial Accounting	4	ACC 203 - Principles of Managerial Accounting	4
BA 223 - Principles of Marketing	4	BUS 223 - Marketing I	3
BA 224 - Introduction to Human Resource Management	3	BUS 349 - Human Resource Management I [4]	3

BA 226 - Business Law	4	BUS 226 - Business Law I	3
CAS 140 - Beginning Databases	4	MIS 113 - Introduction to Database Systems	3
CAS 170 - Beginning Spreadsheets Using Excel	3	MIS 102 - Spreadsheet Software Lab	1
COMM 111Z - Public Speaking	4	COM 111Z - Public Speaking	4
COMM 215 - Small Group Communication: Process and Theory	4	SPE 321 - Small Group and Team Communication [4]	3
EC 201 - Principles of Economics: Microeconomics	4	ECO 201 - Principles of Microeconomics	3
EC 202 - Principles of Economics: Macroeconomics	4	ECO 202 - Principles of Macroeconomics	3
Lab Science Elective [5]	4	Lab Science Elective [5]	4
PSY 201A - General Psychology	4	PSY 201 - Psychology	3
WR 227Z - Technical Writing	4	WRI 227Z - Technical Writing	4
Additional CGCC Degree Credits [3]	57	Additional Oregon Tech Degree Credits	48
Total CGCC Degree Credits [3]	148	Total Oregon Tech Degree Credits	92

In addition to the above courses, the courses listed below are also required for the BS in Operations Management and should be completed at Oregon Tech.
All courses below are also available online.

Oregon Institute of Technology Course Number & Title	Qtr. Units
ACC 325 - Finance	4
ANTH 452 - Globalization or PSCI 326 - World Politics in Transition	3
BUS 356 - Business Presentation	4
BUS 441 - Leadership I	3
BUS 456 - Business Research Methods	3
BUS 457 - Business Research Methods II	3
BUS 467 - Service Management	3
BUS 478 - Strategic Management	3
BUS 495 - Senior Project Proposal	3
BUS 496 - Senior Project	3
BUS 497 - Senior Project	3
MATH 361 - Statistical Methods I	4
MATH 371 - Finite Math/Calculus I	4

MGT 321 - Operations Management	3
MGT 322 - Supply Chain Management	3
MGT 323 - Logistics Management	3
MGT 335 - Project Management	3
MGT 421 - Quality Management	3
MGT 422 - Materials Management	3
MGT 423 - Enterprise Resource Planning	3
MGT 461 - Lean/Six Sigma Management I	3
MGT 462 - Lean/Six Sigma Management II	3
MGT 463 - Lean/Six Sigma Management III	3
MIS 206 - Introduction to Management Information Systems	3
MIS 375 - Decision Support Systems	3
PHIL 331 - Ethics in the Professions	3
PSY 347 - Organizational Behavior	3
WRI 327 - Advanced Technical Writing	3
Additional Oregon Tech Credits [6]	88
Total Oregon Tech Degree Credits [7]	180

1. To maximize useable credits toward the BOMG, the listed course is recommended.

2. Students can transfer up to six (6) credit hours of Humanities electives into the BOMG; these courses should be designated as Humanities electives by Oregon Tech. However, only three (3) humanities credits can be studio/performance based. Choose from the following CGCC prefixes: ART, ENG, MUS, PHIL, TA, or Languages (second year/200-level only).

3. OT recommends students take EC 201 and EC 202 along with PSY 201A to fulfill their social science requirements. These classes will count toward program requirements at OT. 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 BOMG.

4. Does not count toward the 60 upper-division credit requirement.

5. Students can transfer up to one (1) biological or physical sciences course with lab into the BOMG. Choose from the following CGCC prefixes: BI, CH, G, or GS. Currently, ESR does **not** count as Lab Science.

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 BOMG requires 180 credits.