

**Central Oregon Community College
Associate of Applied Science in Automotive Technology- Electronics
and Diagnostics-Requirements-Option
to**


**Oregon Institute of Technology
Bachelor of Science in Operations Management**

**Articulation Agreement
2019 - 20120 Catalog**


It is agreed that students transferring from Central Oregon Community College (COCC), Associate of Applied Science in Automotive Technology-Electronics and Diagnostics-Requirements-Option to Oregon Institute of Technology's (Oregon Tech) Bachelor of Science in Operations Management (OM) 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 COCC and Oregon Tech, and is subject to a yearly reevaluation by both schools for continuance. This agreement is dated July 26, 2019.

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 COCC during the above catalog year. Students must enroll at Oregon Tech within three years of this approval.

By 
Tyler Hayes
Director of Admissions/Registrar
Central Oregon Community College

By _____
Carleen Drago Starr, Director
Educational Partnerships & Outreach
Oregon Institute of Technology

By 
Betsy Julian
Vice President of Instruction
Central Oregon Community College

By _____
Hallie A. Neupert, Chair
Management
Oregon Institute of Technology

By _____
Wendy Ivie
University Registrar
Oregon Institute of Technology

COCC Degree Courses & Oregon Tech Equivalent Credits

COCC Community College Course Number & Title	Qtr. Units	Oregon Institute of Technology Course Number & Title	Qtr. Units
Associate of Applied Science AND			
AUT 101 Basic Electricity for Automotive	2		
AUT 101 Basic Electricity for Automotive	5		
AUT 102 Automotive Electric I	2		
AUT 103 Automotive Electric II	2		
AUT 104 Automotive Electric III	2		
AUT 105 Diesel Performance I	1		
AUT 106 Automotive Program Orientation	3		
AUT 107 Mechanical Systems I	3		
AUT 110 Small Gas Engines	3		
AUT 111 Computerized Engine Controls	5		
AUT 115 College Success for Auto Tech	2		
AUT 201 Automotive Engines	4		
AUT 202 Manual Drive Trains I	3		
AUT 203 Manual Drive Trains II	3		
AUT 204 Steering and Suspension	3		
AUT 205 Engine Performance I	2		
AUT 206 Engine Performance II	2		
AUT 208 Automotive Brakes	3		
AUT 216A CWE-Automotive	4		
AUT 216B CWE-Automotive	4		
AUT 251 Automatic Transmissions I	3		
AUT 253 Automotive Air Conditioning	3		
AUT 256 Automatic Transmissions II	2		
AUT 260 Diesel Performance II	4		
AUT 270 Automotive Controller Systems I	4		
AUT 271 Automotive Controller Systems II	4		
AUT 280 Hybrid Electric Vehicle I (HEV)	4		
AUT 281 Hybrid Electric Vehicle II (HEV)	4		
BA 214 Business Communications	3		
CIS 120 Computer Concepts	4		
CIS 131 Software Applications	4		
		General elective (does not count toward OM degree) ¹	--
General Education Discipline Studies Courses (9 credits)			
Arts and Letters Discipline Studies courses (see page 399)	9	Humanities elective ⁴	6
Human Relations course, from list, see page 407.	3	General elective (does not count toward OM degree) ²	--
MTH 60 or 85 Algebra or Technical Math	4	Developmental course (does not count toward OM degree) ²	0
Total COCC Degree Credits ¹	110-111	Total Oregon Tech Degree Credits	36

Courses not required for COCC's Associate of Applied Science in Automotive Technology-Electronics and Diagnostics-Requirements-Option, but are required for Oregon Tech's Bachelor of Science in Operations Management and can be taken at COCC or Oregon Tech.

Central Oregon Community College Course Number & Title	Qtr. Units	Oregon Institute of Technology Course Number & Title	Qtr. Units
BA 211 Financial Accounting I	4	ACC 201 Principles of Accounting I	4
BA 213 Managerial Accounting	4	ACC 203 Principles of Managerial Accounting	4
BA 206 Management Fundamentals I	4	BUS 215 Principles of Management	3
BA 223 Marketing Principles I	4	BUS 223 Marketing I	3
BA 226 Business Law I	4	BUS 226 Business Law	3
CIS 125E Excel	4	MIS 102 Spreadsheet Software Laboratory	1
CIS 275 Introduction to Database Management and Design	4	MIS 113 Introduction to Database Systems	3
EC 201 Microeconomics	4	ECO 201 Principles of Microeconomics	3
EC 202 Macroeconomics	4	ECO 202 Principles of Macroeconomics	3
Laboratory science	4	Laboratory Science elective	4
MTH 111 College Algebra	4	MATH 111 College Algebra	4
PSY 201 Mind and Brain	4	PSY 201 Psychology	3
PS 205 Introduction to International Relations	4	ANTH 452 Globalization ³ or PSCI 326 World Politics in Transition ³	3
COMM 111 Fundamentals of Public Speaking	4	SPE 111 Public Speaking	3
COMM 219 Small Group Communication	3	SPE 321 Small Group and Team Communication ³	3
WR 121 Academic Composition	4	WRI 121 English Composition	3
WR 122 Argument, Research, and Multimodal Composition	4	WRI 122 Argumentative Writing	3
WR 227 Technical Writing	4	WRI 227 Technical Report Writing	3
Additional COCC credits ²	63	Additional Oregon Tech Degree credits	56
Total COCC Credits ²	173-174	Total Oregon Tech Degree Credits	92

In addition to the above courses, the courses listed below are also required for the Bachelor of Science in Operations Management and are offered only by Oregon Tech.
All classes below are available online.

Oregon Institute of Technology Course Number & Title	Qtr. Units
ACC 325 Finance	4
BUS 349 Human Resource Management I	3

BUS 356 Business Presentations	4
BUS 441 Leadership I	3
BUS 456 Business Research Methods I	3
BUS 457 Business Research Methods II	3
BUS 467 Service Management	3
BUS 478 Cases in Strategy and Policy	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 Mathematics and Calculus I	4
MGT 321 Operations Management I	3
MGT 322 Operations Management II	3
MGT 323 Operations Management III	3
MGT 335 Project Management	3
MGT 421 Quality Management	3
MGT 422 Materials Management	3
MGT 423 Logistics Management	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 ⁵	88
Total Oregon Tech Degree Credits ⁶	180

1. To maximize useable credits toward the OM degree, the listed course is recommended.
2. 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 Bachelor of Science in Operations Management Degree.
3. Does not count toward upper-division requirement.

4. Students can transfer up to 6 credit hours of humanities electives into the Operations Management program. However, only 3 humanities credits can be studio/performance based. Choose from the following COCC prefixes: ARH, ART, ENG, FA, HUM, MUS, PHL, Second-Year Foreign Languages, or TA.
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 Bachelor of Science in Operations Management requires 180 total credits.