



ARTICULATION AGREEMENT GUIDE

Catalog Year: 2018-2019

Department Name – Engineering Technology
 Transfer Guide with Oregon Institute of Technology

Purpose: Student transfer from Clackamas Community College to the Oregon Institute of Technology

Clackamas Community College Associate of Applied Science in Electronics Engineering Technology	Oregon Institute of Technology Bachelor of Applied Science in Technology and Management
---	--

Program/Major Requirements:

CCC Courses	Qtr. Credits	Oregon Institute of Technology Course Equivalents	Qtr. Credits
MTH 095 Algebra III	4	Developmental course	--
MTH 111 College Algebra	5	MATH 111 College Algebra Math/Science elective (up to 4 credits) ¹	4 1
MTH 112 Trigonometry/Pre-Calculus	5	Math/Science elective (up to 4 credits)	3
PH 201 General Physics or PH 211 General Physics with Calculus	5	Lab Science elective	4
PH 202 General Physics or PH 212 General Physics with Calculus	5	General elective	--
PH 203 General Physics or PH 213 General Physics with Calculus	5	General elective	--
WR 121 English Composition	4	WRI 121 English Composition	3
EET 112 Electronic Test Equipment/Soldering	3	Career Technical Education Credits	60
EET 127 Semiconductor Circuits I	4		
EET 137 Electrical Fundamentals I	4		
EET 139 Principles of Troubleshooting I	2		
EET 141 Electrical Fundamentals II	4		
EET 142 Electrical Fundamentals III	4		
EET 157 Digital Logic I	3		
EET 227 Semiconductor Circuits II	4		
EET 230 Laser and Fiber Optics	3		
EET 239 Principles of Troubleshooting II	2		
EET 250 Linear Circuits	3		
EET 252 Control Systems	3		
EET 254 Introduction to Microcontrollers	4		
EET 257 Digital Logic II	4		
MFG 107 Industrial Safety & First Aid	3		
MFG 109 Computer Literacy for Technicians	3		
MFG 133 Programmable Logic Controllers	3		
EET 215 Electromechanical Systems I	2		
MFG 209 Programming & Automation for MFG	3		

SM 150 Semiconductor Processing I	2		
SM 280 Electronics & Microelectronics/CWE	4		
Human Relations requirement	3		
Electronics Engineering Technology electives	3		
TOTAL CLACKAMAS DEGREE CREDITS	106	TOTAL OREGON TECH DEGREE CREDITS	75

Courses not required for Clackamas's Associate of Applied Science Electronics Engineering Technology, but are required for Oregon Tech's Bachelor of Applied Science in Technology and Management and can be taken at Clackamas or Oregon Tech.

CCC Courses	Qtr. Credits	Oregon Institute of Technology Course Equivalents	Qtr. Credits
BA 211 Financial Accounting I	4	ACC 201 Principles of Accounting I	4
BA 213 Decision Making with Accounting Information	4	ACC 203 Principles of Managerial Accounting	4
BA 206 Management Fundamentals	4	BUS 215 Principles of Management	3
BA 223 Principles of Marketing	4	BUS 223 Marketing I	3
BA 226 Business Law I	4	BUS 226 Business Law	3
COMM 111 Public Speaking	4	SPE 111 Public Speaking	3
CS 135S Microsoft Excel	3	MIS 102 Spreadsheet Software Laboratory	1
CS 135DB Microsoft Access OR CS 275 Database Design	3	MIS 113 Introduction to Database Systems OR MIS 275 Introduction to Relational Databases	3
EC 201 Principles of Economics: Micro	4	ECO 201 Principles of Economics, Microeconomics	3
EC 202 Principles of Economics: Macro	4	ECO 202 Principles of Economics, Macroeconomics	3
Humanities elective	6	Humanities elective (up to 6 credits)	6
WR 122 English Composition	4	WRI 122 Argumentative Writing	3
WR 227 Technical Report Writing	4	WRI 227 Technical Report Writing	3
Additional Clackamas credits	52	Additional Oregon Tech Degree credits	42
TOTAL CLACKAMAS CREDITS	158	TOTAL OREGON TECH DEGREE CREDITS	117

Additional Requirements for Program/Major:

Oregon Institute of Technology courses

All classes below are available online.

Course Number	Qtr. Credits
ACC 325 Finance	4
ANTH 452 Globalization OR HST 452 Globalization and the Pacific Northwest	3
BUS 349 Human Resource Management I	3

BUS 356 Business Presentations	4
BUS 441 Leadership 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	4
MGT 321 Operations Management I	3
MGT 335 Project Management	3
MGT 461 Lean/Six Sigma Management I	3
PHIL 331 Ethics in the Professions OR	3
PHIL 342 Business Ethics	
PSY 347 Organizational Behavior	3
SPE 321 Small Group and Team Communication	3
WRI 327 Advanced Technical Writing	3
Additional Oregon Tech Credits	63
Total Oregon Tech Degree Credits ⁷	180

In addition to the departmental requirements listed above, students must also complete coursework for university admission, general education requirements and BA/BS requirements. Meet with an Oregon Institute of Technology Academic & Career Coach to develop an effective transfer plan that will meet your individual needs.

General Education Requirements

- Students can transfer up to 4 credit hours of math/science electives into the BAS program; these courses should be designated as math/science electives by Oregon Tech. Choose from the following Clackamas prefixes: BI, BOT, CH, G, GS, MTH, PH, Z or other courses designated as math/science electives by the Oregon Tech Registrar's Office. Please note that Oregon Tech does not grant science credit for computer science courses.
- The BAS program requires one biological or physical science with lab. Choose from following Clackamas prefixes: BI, BOT, CH, G, GS, PH, Z or other courses designated as lab science electives by the Oregon Tech Registrar's Office.
- 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 BAS degree.
- To maximize useable credits toward the BAS degree, the listed course is recommended.
- Students can transfer up to 6 credit hours of humanities electives into the BAS program; these courses should be designated as humanities electives by Oregon Tech. However, only 6 humanities credits can be studio/performance based. Choose from the following Clackamas prefixes: ART, ENG, HUM, MUS, PHL, R, TA, Second-year Foreign Languages or other courses designated as humanities electives but the Oregon Tech Registrar's Office.

- 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.
- Oregon Tech's Bachelor of Applied Science in Technology and Management requires 180 credits.