Clark College
Associate of Applied Science degree in Surveying/Geomatics
to

Oregon Institute of Technology
Bachelor of Science in Geomatics, Surveying Option

Articulation Agreement
2016-2017 Catalog

It is agreed that students transferring from Clark College (Clark) with an Associate of Applied degree in Surveying & Geomatics or with select courses below to Oregon Institute of Technology's (Oregon Tech) Bachelor of Science in Geomatics, Surveying Option (BGMS) 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 CC and Oregon Tech, and is subject to a yearly reevaluation by both schools for continuance. This agreement is dated August 10, 2016.

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.

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

Clark College Degree Courses & Oregon Tech Equivalent Credits

Clark College Course Number & Title	Qtr. Units	Oregon Institute of Technology Course Number & Title	Qtr. Units
ENGR 113 Engineering Sketching & Visualization **AND** ENGR 140 Basic AutoCAD	2 4	CE 203 Engineering Graphics	3
SURV 125 Introduction to GIS	3	GIS 134 Geographic Information Systems	3
SURV 104 Computation & Platting	5	GME 175 Computations and Platting	3
SURV 121 Field Survey I	5	GME 161 Plane Surveying I	4
SURV 122 Field Survey II	5	GME 162 Plane Surveying II	4
SURV 163 Route Surveying	5	GME 163 Route Surveying	4
SURV 203 Legal Descriptions	3	GME 242 Land Description and Casdastre	2
SURV 223 Boundary Law I	3	GME 241 Boundary Law I	3
SURV 264 Survey Software Applications	3	GME 264 Digital Design for Surveying	2
SURV 202 Boundary Surveys[1]	4	GME 343 Boundary Surveys[1]	4
SURV 225 Subdivision Planning & Platting[1]	3	GME 372 Subdivision Planning and Platting[1]	3
SURV 252 Map Projections[1]	2	GME elective credits	2
ENGL& 101 English Composition I **AND** ENGL& 102 English Composition II	5 5	WRI 121 English Composition WRI 122 Argumentative Writing	3 3
MATH& 103 Trigonometry	5	MATH 112 Trigonometry	4
MATH& 151 Calculus I	5	MATH 251 Differential Calculus	4
MATH& 153 Calculus III	5	MATH 254N Vector Calculus I	4
PHY 231/241/094 Engineering Physics w/lab and Physics Calculations	6	PHY 221 General Physics with Calculus	4
PHY 232/242/095 Engineering Physics w/lab and Physics Calculations	6	PHY 222 General Physics with Calculus	4
PHY 233/243/096 Engineering Physics w/lab and Physics Calculations	6	PHY 223 General Physics with Calculus	4
CHEM& 141/151 General Chemistry w/Lab **OR** PHSC 101 General Physical Science	5	Science elective	4
Humanities elective[2]	5	Humanities elective[2]	5
Social Science elective	5	Social Science elective	3
HPE 220 Industrial Health & Fitness SURV 100 Introduction to GPS SURV 123 Professional Ethics SURV 250 ArcGIS	3 2 1 3	General electives[3]	--
Total Clark Degree Credits[3]	**114**	**Total Oregon Tech Degree Credits[3]**	**79**

Courses not required for CC's Surveying and Geomatics degree but are required for Oregon Tech's Bachelor of Science in Geomatics, Surveying Option and can be taken at Clark College or Oregon Tech.

Clark College Course Number & Title	Qtr. Units	Oregon Institute of Technology Course Number & Title	Qtr. Units
BUS& 201 Business Law	5	BUS 226 Business Law	3
CMST& 220 Public Speaking	5	SPE 111 Public Speaking	3
CTEC 181 Intro to Database Design using Access	5	MIS 113 Intro to Relational Databases	3
ENGL& 235 Technical Writing	5	WRI 227 Technical Report Writing	3
Humanities elective[2]	4	Humanities elective[2]	4
MATH&152 Calculus II	4	MATH 252 Integral Calculus	4
MATH 203 Descriptive Statistics[1] **AND** MATH 204 Inferential Statics	3 3	MATH 361 Statistical Methods I[1]	4
Science elective	5	Science elective	4
Additional Clark Credits[3]	**39**	**Additional Oregon Tech Credits[3]**	**28**
Total Clark Degree Credits[3]	**153**	**Total Oregon Tech Degree Credits[3]**	**107**

Courses listed below are also required for the Bachelor of Science in Geomatics, Surveying Option, should be taken at Oregon Tech.

Oregon Institute of Technology Course Number & Title	Qtr. Units
BUS 304 Engineering Management	**3**
GIS 103 The Digital Earth	3
GIS 205 GIS Data Integration	2
GIS 306 Geospatial Raster Analysis	4
GIS 316 Geospatial Vector Analysis I	4
GME 351 Construction and Engineering Surveying	3
GME 425 Remote Sensing	4
GME 444 Adjustment by Least Squares	4
GME 451 Geodesy	4
GME 452 Map Projections	3
GME 454 GNSS Surveying	4

GME 466 Boundary Law II	3
GME 468 Geomatics Practicum	2
MGT 345 Engineering Economy	3
MIS 118 Programming Fundamentals	4
SPE 321 Small Group and Team Communication[4]	3
WRI 327 Advanced Technical Writing	3
Business elective	3
ENV/GME/GIS elective	2
Math elective (upper-division) [4]	3
Social Science elective (upper-division)[4]	9
Additional Oregon Tech Credits[5]	**73**
Total Oregon Tech Degree Credits[6]	**180**

1. Does not count toward upper-division requirement.
2. Oregon Tech requires 9 humanities credits. However, only 3 humanities credits can be studio/performance based.
3. Excess credits will transfer to Oregon Tech as general electives with the exception of developmental course work; however these credits will **not** count towards the GMS degree.
4. Upper-division math, social science and speech courses should be taken at Oregon Tech in order to meet the upper-division credit requirements.
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 Geomatics, Surveying Option requires 180 total credits.