Clark College
Associate of Applied Science in Surveying & Geomatics
to
Oregon Institute of Technology
Bachelor of Science in Geomatics, Surveying Option

Articulation Agreement
2021 - 2022 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 February 7th, 2022.

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

Clark College	Oregon Institute of Technology
Paul Wickline 2/10/22	DocuSigned by: Carleen Drago 2/16/2022
Paul Wickline, VP of Instruction	Carleen Drago Starr, Director Educational Outreach and Partnerships
Armetta Burney 2/9/22	DocuSigned by: Jack Walker 2/22/2022
Armetta Burney, Interim Dean of Workforce, Professional & Technical Education and STEM	Jack Walker, Department Chair Geomatics
2-14-2022	DocuSigned by: Tom Keyser 3/29/2022
Christina Barsotti, Department Chair Engineering	Tom Keyser, Dean College of Engineering, Technology, and Management
	DocuSigned by: Wendy Ivie 4/7/2022
	Wendy Ivie University Registrar

Clark College Degree Courses & Oregon Tech Equivalent Credits
Some courses listed below will be included in the Clark College program curriculum. All other courses 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
CMST 220 Public Speaking	5	SPE 111 - Public Speaking	4
ENGR 113 Engineering Sketching & Visualization and ENGR 140 Basic AutoCAD (recommended)	2 4	CE 203 - Engineering Graphics	3
SURV 125 Introduction to GIS	3	GIS 103 - Introduction to GIS	3
SURV 104 Computations and 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 Cadastre	2
SURV 223 Boundary Law I	3	GME 241 - Boundary Law I	3
SURV 264 Survey Software Applications	4	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 250 ArcGIS I	3	GIS 134 - Geographic Info. Systems	3
SURV 252 Map Projections [1]	2	GME elective credits	2
SURV 253 Intro to GPS	3	GME elective credits	2
ENGL 101 English Composition I	5	WRI - 121 English Composition	4
ENGL 235 Technical Writing	5	WRI 227 - Technical Report Writing	4
MATH 103 Trigonometry	5	MATH 112 - Trigonometry	4
MATH 151 Calculus I	5	MATH 251 - Differential Calculus	4
MATH 153 Calculus III (recommended)	5	MATH 254 - Vector Calculus I	4
BUS 169 Introduction to Excel	3	Business elective	3
PHSC 101 General Physical Science	5	Science elective	4
Humanities elective [2]	3	Humanities elective [2]	3
Social Science elective	3	Social Science elective	3
HPE 220 Industrial Health & Fitness SURV 123 Professional Ethics	3 1	General electives [3]	--
Total Clark Degree Credits [3]	**102**	**Total Oregon Tech Degree Credits [3]**	**79**

Courses not required for Clark College's Surveying/Geomatics degree but are required for Oregon Tech's BS 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
PHYS 221 Engineering Physics	5	PHY 221 - General Physics with Calculus	4
PHYS 222 Engineering Physics	5	PHY 222 - General Physics with Calculus	4
PHYS 223 Engineering Physics	5	PHY 223 - General Physics with Calculus	4
CTEC 181 Intro to Database Design using Access	5	MIS 113 - Intro to Relational Databases	3
Humanities elective[2]	6	Humanities elective[2]	6
MATH 152 Calculus II	4	MATH - 252 Integral Calculus	4
MATH& 146 Introduction to Statistics MATH 147 Statistics II	5 3	MATH 361 - Statistical Methods I [1]	4
Science elective	5	Science elective	4
Additional Clark Credits [3]	**48**	**Additional Oregon Tech Credits [3]**	**36**
Total Clark Degree Credits [3]	**150**	**Total Oregon Tech Degree Credits [3]**	**115**

In addition to the above courses, the courses listed below are also required for the BS in Geomatics, Surveying Option and should be completed at Oregon Tech.

Oregon Institute of Technology Course Number & Title	Qtr. Units
BUS 304 - Engineering Management	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
Math elective (upper-division) [4]	3
Social Science elective (upper-division) [4]	9
Additional Oregon Tech Credits [5]	**65**
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 GME 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.