

Book & Tool List

SURVEYING AND GEOMATICS ENGINEERING TECHNOLOGY

Bachelor of Science: Surveying and Geomatics Engineering Technology

Book List for BS – Surveying and Geomatics Engineering Technology

Course	Course Title	Book Title	ISBN	Cost
CET 1112	Beginning Surveying	Elementary Surveying, 16 th 22 Ed.	9780136822806	90.99
CET 1121	Civil 3D Drafting	Autodesk Civil 3D 2024 Fundamentals, 17 th 23 Ed.	9781630568320	59.00
CET 1122	Intermediate Surveying and Spatial Analysis	Elementary Surveying: An Introduction to Geomatics, 16 th 22 Ed.	9780136822912	94.99
CET 2228	Principles of GIS	Mastering Arcgis Pro, 2 nd 23 Ed.	9781264091201	78.00
CET 2232	Plan Reading and Worksite Safety	Printreading for Heavy Commercial Construction – w/Prints, 4 th 16 Ed.	9780826904874	81.97
GEMT 3314	Research and Evidence in Surveying	Evidence and Procedures For Boundary Location, 7 th 21 Ed.	9781119719434	134.00
GEMT 3315	Surveying Adjustments	Adjustment Computations, 6 th 18 Ed.	9781119385981	151.46
COMM 1101	Fundamentals of Oral Communication	Fund. Of Oral Communication Access Code	9781644850817	78.57
CMP 2250	History and Appreciation of Photography	Photography in America, 16 Ed.	9780199314225	81.00
ENGL 1101	Writing and Rhetoric I	Perusall Access – Everyone's an Author W/R, 4 th Ed.	2818440009310	65.06
ENGL 1102	Writing and Rhetoric II	Writing and Reading Across Curriculum, 14 th 19 Ed.	9780134668512	58.99
ENGL 3307	Professional and Technical Writing	Technical Communication, 13 th 21 Ed.	9781319245009	150.60
GLBL 2202 (Obj. 9 Option)	The World Today: Introduction to Global Issues	Global Politics, 3 rd 23 Ed.	9781350328419	37.46

Course	Course Title	Book Title	ISBN	Cost
MATH 1143	Precalculus I: Algebra	ALEKS Online Access 18 weeks for Math	8220144129524	112.03
MATH 1144	Precalculus II: Trigonometry	WebAssign for Abramson/Belloit/Falduto/Gross/Lippman's OpenStax Precalculus, Single-Term Instant Access, 2 nd Ed.	8220142494365	54.94
MATH 1153	Statistical Reasoning	MyLab Statistics with Pearson eText Access Code for Intro Stats, 6 th 22 Ed.	8220144761755	131.24
MATH 1170	Calculus I	Calculus: Early Transcendentals – WebAssign Access, 9 th 21 Ed.	8220118200785	147.50
MATH 1175	Calculus II	Calculus: Early Transcendentals – WebAssign Access, 9 th 21 Ed.	8220118200785	147.50
PHIL 1103 (Obj. 4)	Introduction to Ethics	Classics of Moral and Political Theory, 5 th 11 Ed.	9781603844420	39.00
PSYC 1101 (Obj. 6 Option)	Introduction to Psychology	Psychology – Achieve Read and Practice (1 Term), 14 th 24 Ed.	9781319489892	64.29
PHYS 1101 (Obj. 5)	Elements of Physics	Perusall Access – College Physics 1E, 16 Ed.	9781947172012	14.27
SOC 1101 (Obj. 6 Option)	Introduction to Sociology	You May Ask Yourself – With Access, 8 th 24 Ed.	9781324062417	94.29
TOTAL				\$1,967.15

Course Fees for BS – Surveying and Geomatics Engineering Technology

Course	Course Title	Fee
CET 1111	Beginning CAD	30.00
CET 1112	Beginning Surveying	30.00
CET 1113	Civil and Geomatics Engineering	20.00
CET 1121	Civil 3D Drafting	30.00
CET 1122	Intermediate Surveying and Spatial Analysis	30.00
CET 1123	Civil and Geomatics Engineering Technology II	40.00
CET 2216	Route Survey and GPS Fundamentals	30.00
CET 2226	Construction Surveying	60.00
CET 2228	Principles of GIS	30.00
CET 2232	Plan Reading and Worksite Safety	30.00
CET 2243	Public Works	60.00
CET 2251	Introduction to Legal Descriptions	10.00

Course	Course Title	Fee
GEMT 3310	Boundary Control and Legal Principles	30.00
GEMT 3311	Advanced Surveying	30.00
GEMT 3312	Public Land Surveying	30.00
GEMT 3314	Research and Evidence in Surveying	30.00
GEMT 3315	Surveying Adjustments	30.00
GEMT 3317	Subdivision Planning and Platting	20.00
GEMT 3319	Writing Legal Descriptions	10.00
GEMT 4400	Essentials of Surveying	20.00
GEMT 4411	Geodesy	30.00
GEMT 4415	Survey Office Practice	60.00
GEMT 4416	Surveying Project	20.00
GEMT 4425	Principles of Cartography	60.00
GEMT 4430	GPS Principles and Applications	30.00
GEMT 4432	Principles of Photogrammetry	60.00
CMP 2250	History and Appreciation of Photography	30.00
ENGL 3307	Professional and Technical Writing	30.00
FIN 1115	Personal Finance	7.50
GLBL 2202	The World Today: Introduction to Global Issues	30.00
MATH 1143	Precalculus I: Algebra	8.00
MATH 1144	Precalculus II: Trigonometry	8.00
MATH 1170	Calculus I	8.00
MATH 1175	Calculus II	8.00
PHYS 1101	Elements of Physics	30.00
TOTAL		\$1,019.50

Other Fees for BS – Surveying and Geomatics Engineering Technology

Description	Fee
Land Surveyor in Training Sample Examination	38.00
TOTAL	\$38.00

Tools/Supplies for BS – Surveying and Geomatics Engineering Technology

Quantity	Description	Cost
2	Notebooks, loose-leaf	8.00
2	Binders, 3 ring with 400 sheets of engineering paper	10.00
2	Dividers, notebook	2.00
1	Calculator HP 35S	50.00
2	Eraser holder with soft eraser jet, #825-B Pink, Pocket	2.00
1	French curve, acrylic	3.00
2	Lead (for mechanical pencils) H, 2H, 3H	9.00
1	Protractor, 6" Circular, Kohinor #8220-6	4.00

Quantity	Description	Cost
1	Scale, 12" Engineer's (Triangular) Combination scales	5.00
1	Scale, 12" Metric	5.00
1	Survey Pac (TDS Co. Go.)	100.00
2	Tape, drafting in dispenser, Scotch #3852-E	2.00
1	Tape, 25' Steel measuring (decimal, feet, inches, & metric combination)	7.00
1	Triangle, Pro. Topz #1045T, 12" 45 degrees	8.00
1	Triangle, Pro. Topz #12-60T, 12" 30-60 degrees	8.00
1	Raincoat, Coveralls-Insulated, Belt	150.00
TOTAL		\$373.00

Summary

Tuition	\$35,656.00
Books	\$1,967.15
Fees	\$1,057.50
Tools/Supplies	\$373.00
Program Total	\$39,053.65

**Costs listed are estimations and should not be considered a guarantee.*