

Book & Tool List

SURVEYING AND GEOMATICS ENGINEERING TECHNOLOGY

Bachelor of Science: Surveying and Geomatics Engineering Technology

(Must have an AAS in CET or a similar two-year degree from another ABET-accredited program)

Book List for BS – Surveying and Geomatics Engineering Technology

Course	Course Title	Book Title	ISBN	Cost
GEMT 3310	Boundary Control and Legal Principles	Brown's Boundary Control and Legal Principles, 7 th 14 Ed.	9781118431436	133.13
GEMT 3311	Advanced Surveying	Elementary Surveying, 16 th 22 Ed.	9780136822806	80.99
GEMT 3312	Public Land Surveying	Manual of Surveying Instructions	9781365076701	41.85
GEMT 3315	Surveying Adjustments	Adjustment Computations, 6 th 18 Ed.	9781119385981	151.46
GEMT 3319	Writing Legal Descriptions	Writing Legal Descriptions in Conjunction with Survey Boundary Control, 4 th 79 Ed.	9780960696284	34.30
GEMT 4425	Principles of Cartography	Cartography: Thematic Map Design, 6 th 09 Ed.	9780072943825	135.03
GEMT 4432	Principles of Photogrammetry	Elements of Photogrammetry with Application in GIS, 4 th 14 Ed.	9780071761123	147.75
MATH 1153	Statistical Reasoning	Intro Stats – MyStatLab w/eText (18 Weeks), 6 th 22 Ed.	9780136806899	135.70
MATH 1170	Calculus I	Cengage Unlimited (1 Semester), 18 Ed.	9780357700037	185.70
MATH 1170	Calculus I	Calculus, Early Transcendentals – Access, 9 th 21 Ed.	9780357128947	202.86
MATH 1170	Calculus I	Calculus: Early Transcendentals –	9780357128923	162.86

Course	Course Title	Book Title	ISBN	Cost
		WebAssign Access, 9 th 21 Ed.		
MATH 1175	Calculus II	Cengage Unlimited (1 Semester), 18 Ed.	9780357700037	185.70
MATH 1175	Calculus II	Calculus, Early Transcendentals – Access, 9 th 21 Ed.	9780357128947	202.86
MATH 1175	Calculus II	Calculus: Early Transcendentals – WebAssign Access, 9 th 21 Ed.	9780357128923	162.86
PHYS 1101	Elements of Physics	Perusall Access – College Physics 1E, 16 Ed.	9781947172012	14.27
PHIL 1103	Introduction to Ethics	Classics of Moral and Political Theory, 5 th 11 Ed.	9781603844420	39.00
			TOTAL	\$2,016.32

Course Fees for BS – Surveying and Geomatics Engineering Technology

Course	Course Title	Fee
GEMT 3310	Boundary Control and Legal Principles	60.00
GEMT 3311	Advanced Surveying	60.00
GEMT 3312	Public Land Surveying	60.00
GEMT 3313	Surveying Software Applications	40.00
GEMT 3314	Research and Evidence in Surveying	60.00
GEMT 3315	Surveying Adjustments	60.00
GEMT 3317	Subdivision Planning and Platting	40.00
GEMT 3319	Writing Legal Descriptions	20.00
GEMT 4400	Essentials of Surveying	40.00
GEMT 4411	Geodesy	60.00
GEMT 4415	Survey Office Practice	90.00
GEMT 4416	Surveying Project	30.00
GEMT 4425	Principles of Cartography	90.00
GEMT 4430	GPS Principles and Applications	60.00
GEMT 4432	Principles of Photogrammetry	90.00
MATH 1153	Statistical Reasoning	5.00
MATH 1170	Calculus I	5.00
MATH 1175	Calculus II	5.00
TOTAL		\$875.00

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, Kohinoor #8220-6	4.00
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	\$16,712.00
Books	\$2,016.32
Fees	\$913.00
Tools/Supplies	\$373.00
Program Total	\$20,014.32

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