

Book & Tool List

CIVIL ENGINEERING TECHNOLOGY

Advanced Technical Certificate: Civil Engineering Technology

Book List for ATC – Civil 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 – With Prints, 4 th 16 Ed.	9780826904874	81.97
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/Lippan's OpenStax Precalculus, Single-Term Instant Access, 2 nd Ed.	8220142494365	54.94
COMM 1101	Fundamentals of Oral Communication	Fund. Of Oral Communication Access Code	9781644850817	78.57
ENGL 1101	Writing and Rhetoric I	Perusall Access – Everyone's an Author W/R, 4 th Ed.	2818440009310	65.06
TOTAL				\$715.55

Course Fees for ATC – Civil Engineering Technology

Course	Course Title	Fee
CET 1111	Beginning CAD	30.00
CET 1112	Beginning Surveying	30.00
CET 1113	Civil and Geomatics Engineering Technology I	20.00
CET 1121	Civil 3D Drafting	30.00
CET 1122	Intermediate Surveying and Spatial Analysis	30.00

Course	Course Title	Fee
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
GEMT 3313	Surveying Software Applications	30.00
MATH 1143	Precalculus I: Algebra	30.00
MATH 1144	Precalculus II: Trigonometry	8.00
TOTAL		\$468.00

Tools/Supplies for ATC – Civil Engineering Technology

Quantity	Description	Cost
1	HP 35S Programmable Scientific Calculator	50.00
2	Lead (for mechanical pencils) H, 2H, 3H	9.00
1	Scale, 12" Engineer's (Triangular) Combination Scales	5.00
1	Tape 25' Steel Measuring (decimal, feet, and inches)	7.00
2	Notebook – Loose-Leaf, surveyors field book	20.00
4	Binder, 3-ring with 400 sheet of engineering paper	19.00
2 sets	Dividers, Notebook	5.00
1	Safety Vest, Raincoat, Coveralls – insulated, belt	150.00
TOTAL		\$265.00

Summary

Tuition	\$17,828.00
Books	\$715.55
Fees	\$468.00
Tools/Supplies	\$265.00
Program Total	\$19,276.55

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