



Surveying	Course # – Hrs
2007 National Readjustment of the North American Datum 1983 (FLSM #0007651)	V08G – 3
Construction Surveying (FLSM #0004019)	V09D – 4
Geodesy for Engineers and Surveyors (FLSM #0004029)	V03A – 6
Great Surveyors and Their Surveys (FLSM #0008277)	V12B – 3
Heavy Highway Construction Surveying: Part 1	V08F – 3
Heavy Highway Construction Surveying: Part 2	V00D – 3
History of The Government Land Office (FLSM #0007650)	V05B – 6
History of Surveying Instruments: Impact and Accuracy (FLSM #0006989)	V18F – 3
Improving Surveying Field Procedures using the Total Station (FLSM #0006990)	V13E – 3
Professional Ethics for Land Surveyors (FLSM #0006287)	V06G – 6
Retracing and Proofing Original GLO Section Corners (FLSM# 0008492)	V03E – 6
Role of Engineers/Surveyors in GIS (FLSM #0007376)	V01D – 6
Standards of Practice for Surveying in Alabama	V07D – 5
State Plane Coordinates (FLSM #0004034)	V11N – 3
Surveying With GPS (FLSM #0007375)	V00E – 3
The Art of Land Surveying (FLSM #0008103)	V07A – 3
The Colonial Land System and The Building of America (FLSM #0004031)	V00F – 3
The Pincushion Effect (FLSM #0007220)	V11B – 3
The Rectangular Land System: Subdivision of Public Lands (FLSM #0004032)	V05C – 6
The Use of Magnetic Instruments (FLSM #0008102)	V01C – 6
Understanding Boundary Law, Case Law and Principles of Surveying Law (FLSM #0007219)	V16F – 2
Vertical Datums and Leveling (FLSM #0004033)	V10D – 3
Management, Ethics and Legal (New York state board will not approve courses in this section)	
ADA Self-Evaluation/Transition Plans	V16F – 2
Business Ethics Module I (FLSM #0007648)	V10D – 3
Business Ethics Module II (FLSM #0007649)	V10E – 3
Buying or Selling an Engineering or Land Surveying Firm (FLSM #0006286)	V02C – 3
Common Sense Leadership	V19A – 2
Contract Administration: Change Order Basics	V03H – 5
Contracts for Engineers and Surveyors (FLSM #0004021)	V10G – 3
Decision Making Using Business Metrics	V14P – 3
Digital Marketing for the Non-Marketing Professional	V20K – 2
Effective Marketing of Professional Services for Engineers and Surveyors (FLSM #0004026)	V10A – 3
Engineering Economic Analysis (FLSM #0006987)	V07B – 3
Engineering Math	V09C – 6
Essential Financial Skills Part 1	V14K – 3
Essential Financial Skills: Part 2	V14T – 3
Essentials of Energy Management	V18A – 2
Essentials of Measurement Systems Analysis	V18D – 2
Essentials of Quality Systems Auditing (based on ISO 19011)	V18B – 2
Establishing Your Engineering or Surveying Firm (FLSM #0004024)	V10B – 3
Ethics and Professionalism (FLSM #0004023)	V10F – 3
Managing Change: A Process Model that Works	V16H – 1
On-Time: Project Scheduling Basics (FLSM #0006988)	V03D – 5
Overview of Elements of Public Right-of-Way Accessibility	V16G – 2
Project Management	V14N – 3
Selling and Negotiating for the Technical Professional	V14L – 3
Technically Speaking: Presentation Skills For Engineers and Technical Professionals (FLSM #0007218)	V12K – 2
Technically Speaking: Part 2: Leadership Essentials for Engineers and Technical Professionals	V14H – 2
Ten Essentials: Common Sense Principles for Business	V16D – 2
Tips for Auditing ISO 9001, IATF 16949, and AS 9100 Quality Systems	V18C – 1
Tort Liability and Ethics for Public Agencies	V03G – 5
Understanding AS 9100D	V17F – 2
Understanding IATF 16949: 2016	V17G – 2
Understanding ISO 9001: 2015	V16N – 2
Understanding ISO 14001: 2015	V16T – 3
Writing Effectively: Written Communication Skills for Engineers and Technical Professionals	V14A – 2
Statistical Methods for Process Improvement	
Using Data for Process Improvement NEW	V20A – 2
Using Distributions for Process Improvement NEW	V20B – 1
Using Process Control Charts NEW	V20C – 2
Using Data for Decision Making NEW	V20D – 2
Introduction to Statistically Designed Experiments NEW	V20E – 1
Essentials of Effective Problem Solving	
Effective Problem Solving Methods	V17A – 2
Process Analysis for Problem Solving	V17B – 1
Dealing with Human Error Problems	V17C – 1
Tools for Problem Solving	V17D – 2
Error-Proofing Essentials	V17E – 1
Risk Management	
Risk Management Essentials	V16B – 2
Risk Management Tools and Techniques	V16C – 2
Failure Mode Effects Analysis (FMEA)	V16P – 2
Managing Project Risk(s)	V16Q – 2
When Disaster Strikes-Contingency Planning	V16R – 1

*Prices in effect till October 1, 2021



AUBURN
ENGINEERING

2020-2021



Earn CEUs,
PDHs, and
CPCs

Corporate Continuing Education Courses

- Cost effective method to educate your workforce and increase your competitiveness
- Quality courses you can trust
- Instructors are Auburn faculty and subject matter experts
- Education at your fingertips 24 hours a day

Call today at 1-833-419-8528 or 334-844-5807
For sample videos of our courses please visit
our website at eng.auburn.edu/epd

Engineering Continuing Education
Auburn University
217 Ramsey Hall
Auburn, AL 36849-5391
Email: epd@eng.auburn.edu

Auburn University is an equal opportunity educational institution/employer.

Organizational Cost Benefit Example for a 3-hour Course

7 individual course orders at \$60 per hour:
 $\$180 \times 7 = \$1260 - \$900 \text{ (org. order)} = \360 savings

10 individual course orders at \$60 per hour:
 $\$180 \times 10 = \$1,800 - \$900 \text{ (org. order)} = \900 savings

Organization price at \$300 per hour
1 organization course order for a 3-hour course
 (Certification extra)
 $\$900 \times 1 = \900

Savings of \$360 and \$900!

Certification is \$30 per employee for an organization order - we have found many organizations only certify some employees, or if an employee wants certification for themselves it's at a very reasonable price.

Unlimited number of employees may view the courses

- Earn continuing education units (CEUs); \$30 per certificate
- Convenient access to online courses 24 hours a day.
- You may view on PC, MAC, iPad or MP3 player

Corporate pricing rate - \$300 per hour

Civil/Structural/Landscape Architecture

Aggregate Properties and Testing
 Asphalt Binder Tests and Specifications
 Asphalt Mix Design
 Asphalt Pavement Preservation & Rehabilitation
 Bicycle and Pedestrian Facilities
 Design of Structural Steel Members using LRFD

Design Fundamentals of Erosion & Sediment Control Measures for Construction Activities

Erosion and Sediment Control: Rules and Regulations**
 Erosion and Sediment Control: Erosion Control**
 Erosion and Sediment Control: Sediment Control**
 Erosion and Sediment Control: Managing Runoff**
 Erosion and Sediment Control: Soil Loss Modeling**
 Erosion and Sediment Control: Site Planning and Management**
 Erosion and Sediment Control Using Geosynthetics
 Foundations of Buildings
 Fundamentals of Roadway Design
 Geosynthetics - An Overview of Designs
 Geotechnical Failure Lesson
 Geotechnical Failures: Cases from the Field
 Ground Improvement
 Hot Mix Asphalt Compaction
 Hot Mix Asphalt Delivery and Placement
 Hot Mix Asphalt Paving CS & QC Assurance
 Landfill: Basics of Design and Operation (FLSM #0006991)
 Marine Spatial Planning: An Introduction to Protecting Ocean and Coastal Resources
 Pavement Management Systems
 Railroad Infrastructure & Mobility: Freight & Passenger **NEW**
 Retaining Wall Design: Using Gabions
 Reversing Urban Hydrology: Pervious Pavement
 Rigid Retaining Wall Design: Geotechnical Aspects
 Roundabouts 101
 Seismic Design: Part 1 – Structural Dynamics and Earthquake Engineering
 Seismic Design: Part 2 – Seismic Design for Buildings
 Soil Basics for Engineers (FLSM #0007647)
 Soil Classification for Roads and Engineering
 Soils for Pavements
 Stories from the Field: What Engineers Need to Know About Construction
 Sustainable Pavement: Part 1
 Sustainable Pavement: Part 2
 Sustainable Pavement: Part 3
 Temporary Traffic Control* \$300/hr for 1st 10 students, then \$100/each additional student

Course # – Hrs

V12J – 1
 V10K – 2
 V13A – 3
 V00B – 5
 V12D – 3
 V12G – 6
 V18K – 1
 V18L – 1
 V18M – 1
 V18N – 1
 V18P – 1
 V18Q – 1
 V12E – 2
 V08J – 6
 V12C – 3
 V08L – 1
 V13P – 1
 V14C – 1
 V13N – 4
 V10J – 1
 V10H – 1
 V10M – 3
 V04L – 6
 V14M – 1
 V10N – 1
 V20F – 2
 V15K – 2
 V16E – 2
 V14F – 5
 V12F – 3
 V14B – 2
 V15E – 2
 V00G – 6
 V08K – 1
 V06H – 6
 V02A – 3
 V13L – 4
 V14J – 2
 V15G – 2
 V17H – 4

Shallow Foundations	Course # – Hrs
Geotechnical Aspects of Shallow Foundation Design: Part One	V04H – 3
Structural Design of Spread Footings: Part Two	VO4J – 3
Bridge Design and Evaluation	
Bridge LRFD Design	V15Q – 2
Bridge Load and Steel Girders	V15R – 2
Design of Steel and P/C Girders	V15S – 2
Evaluation and Rating of Bridges	V15T – 2
Reinforced Concrete Design	
Axial Compression and Bending	V13J – 2
Development Anchorage and Lap Splices	V13H – 3
Flexure & Shear	V13G – 3
T-beams and Compression Reinforcement	V14Q – 2
Mechanical	
Introduction to Industrial Robotics	V15M – 2
Mobile Robotics: Design and Operation for Real World Applications	V15P – 3
Review of Conduction and Radiation Heat Transfer	V15A – 2
Review of Convection Heat Transfer	V15B – 2
Understanding the Second Law of Thermodynamics for Gases	V15H – 2
Electrical	
An Overview of Electric Power Systems Engineering	V12A – 4
Commercial Nuclear Power Plant Regulation	V16J – 2
Electrical Circuit Fundamentals for Power Applications	V05A – 6
Fundamentals of Operational Amplifiers	V09A – 3
Power Electronics	V08B – 6
Solar Power	V13B – 3
Stepper Motors	V18R – 2
Symmetrical Components	V13D – 3
The Smart Grid: A Primer	V15F – 3
Transformers	V07N – 3
Wind Power	V12M – 3
Power Quality	
Power Quality: Fundamentals	V11J – 3
Power Quality: 60 Hz Voltage Problems	V11K – 3
Power Quality: Harmonics in Power Systems	V11L – 3
Power Quality: Transients	V11M – 3
Electric Power System Protection	
Part One – Fundamentals	V05E – 3
Part Two – System Modeling	V05F – 3
Part Three – Fault Calculations	V05G – 3
Part Four – Hardware	V05H – 3
Part Five – Component Protection	V05I – 3
Part Six – Line Protection	V05J – 3
Electric Motors and Generators	
Part One – Fundamentals	V07F – 3
Part Two – Three-Phase Induction Machines	V07G – 3
Part Three – Power Electronic Control	V07H – 3
Part Four – Three-Phase Synchronous Machines	V07J – 3
Part Five – DC Machines	V07K – 3
Part Six – Single-Phase Induction Machines	V07L – 3
Electrical Power Systems	
Part One – Fundamentals Review	V01F – 3
Part Two – Power Distribution Systems	V01G – 3
Part Three – Loads	V01H – 3
Part Four – Protection	V01J – 3
Signals and System	
Part One – Fundamentals	V06J – 3
Part Two – Fourier Concepts	V06K – 3
Part Three – Analog Transform Concepts	V06L – 3
Part Four – Discrete Transform Concepts	V06M – 3

*** Limited to 10 employees per order – \$100 each additional employee*