



# CURRICULUM ORDER FORM

SC ATE curriculum components are integrated, problem-based courses of study that model the workplace through the use of industrial-type problems and student and faculty teams. Physics, engineering technology, mathematics, and communications are taught concurrently in the context of solving multiple workplace-related problems. The curriculum addresses learning styles, adds relevance to general education study, and increases student retention.



Industrial Core

## Industrial Core Instructor Guide

The Industrial Core is designed to prepare students for the study of courses specific to any technology major. The curriculum provides hands-on work with technology and workplace relevance as students complete the study of science, communications, and mathematics (through introductory calculus). Instructor guide, 43 pages.



## Technology Gateway Kit (Attractively Boxed Set of Materials)

Technology Gateway is designed as a pre-engineering preparation. It includes a career exploration module and incorporates mathematics at the introductory and intermediate algebra levels.

- 1 Instructor Guide Master Copy, spiral-bound, 64 pages.
- 1 Instructor Guide for a notebook, three-hole drilled.
- Student Handouts — Classroom sets (25 copies) of each project (6).



ET Core

## Engineering Technology Core (ET Core) Instructor Guide

The ET Core is designed to prepare students for the study of courses specific to any engineering technology major. The curriculum provides hands-on work with technology and workplace relevance as students complete the study of physics, communications, and mathematics (through introductory calculus).

Instructor guide, 136 pages.

Item	Number	Unit Price (\$)	Total
Industrial Core Instructor Guide	_____	\$50	_____
Technology Gateway Kit	_____	\$395	_____
ET Core Instructor Guide	_____	\$100	_____
Additional Classroom Sets of Student Handouts for Projects	(total from page two)		_____
		Subtotal	_____
	Please add 5% for shipping & handling.		_____
		Tax	“Exempt”
		Order Total	_____

Completed order form must be accompanied by a purchase order or check made payable to: SCATE Inc. (FEIN #20-3942898). Mail to: SCATE Inc., PO Box 25, Chapin, SC, 29036-0025. To arrange faculty training to maximize the benefits of these materials or for more information, contact us at scate@fdtc.edu, phone 803.447.7718 or fax 843.676.8548.

## Additional Classroom Sets of Student Handouts for Projects

### Technology Gateway Student Handouts (Classroom sets of 25)

		Number of Sets
Project #1	Introduction to Technology Careers	_____
Project #2	Simple Machines	_____
Project #3	Basic Electricity	_____
Project #4A	Optics	_____
Project #4B	Optics	_____
Project #5	Temperature Measuring Devices	_____
Project #6	Hydraulic Jack	_____

### ET Core Student Handouts (Classroom sets of 25)

#### Electrical Modules

		Number of Sets
Module #1	Resistance, Conduit Wiring	_____
Module #2	Current, Trailer Fuse	_____
Module #3	Voltage, Series/Parallel Circuits	_____
Module #4	Capacitance, Timing Circuits	_____
Module #5	Impedance, Power Factor for Electrical Installations	_____

#### Thermal Module

Module #1	Thermal Expansion, Assembling Metal Plate and Shaft	_____
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#### Mechanical Modules

Module #1	Displacement/Velocity, Assembly Line Layout	_____
Module #2	Forces, Assembly Line Chute	_____
Module #3	Energy, Bucket Elevator	_____
Module #4	Equilibrium, Weight Distribution in a Flatbed Trailer	_____
Module #5	Rotation, Chipper Brake	_____

#### Fluids Module

Module #1	Fluids, Safety Shower	_____
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#### Optics Modules

Module #1	Geometrical Optics, Projection System	_____
Module #2	Physical Optics, Micro-Measurement - A Case Study	_____

#### Materials Modules

Module #1	Physical and Chemical Properties of Materials, Testing Paper Quality	_____
Module #2	Mechanical Properties of Materials, Hydraulic Press	_____

**Total Number of Sets @ \$25/set**

\_\_\_\_\_

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