

WAKE TECH ENGINEERING TECHNOLOGY

Telephone: 919-661-3230

College for the Real World

www.waketech.edu/curred/et/

Cohort Classes at the Plastics Technology Center, Zebulon:

Course	Description	Credit Hours	Semester
ISC 112 Industrial Safety	This course introduces the principles of industrial safety. Emphasis is placed on industrial safety, OSHA, and environmental regulations. Upon completion, students should be able to demonstrate knowledge of a safe working environment and OSHA compliance. <i>This course is also available through the Virtual Learning Community (VLC).</i>	2	Fall 2006
MEC 180 Engineering Materials	This course introduces the physical and mechanical properties of materials. Topics include materials testing, pre and post-manufacturing processes, and material selection of ferrous and non-ferrous metals, plastics, composites, and non-conventional materials. Upon completion, students should be able to utilize basic material property tests and select appropriate materials for applications. <i>This course is also available through the Virtual Learning Community (VLC).</i>	3	Fall 2006
PLA 115 Polymer Processing	This course introduces theory and hands-on experience in common polymer processing techniques. Topics include injection molding, extrusion, thermoforming, blow molding, casting, roll forming, thermofusion, and other processes. Upon completion, students should be able to understand the setup, operation, and troubleshooting of common plastic processing equipment. <i>This course is a unique concentration requirement in the Plastics concentration in the Manufacturing Technology program.</i>	3	Fall 2006

Cohort classes at the Wake Tech Main Campus, 401 South:

Course	Description	Credit Hours	Semester
DFT 111 Technical Drafting I (AutoCAD class)	This course introduces basic drafting skills, equipment, and applications. Topics include sketching, measurements, lettering, dimensioning, geometric construction, orthographic projections and pictorials drawings, sections, and auxiliary views. Upon completion, students should be able to understand and apply basic drawing principles and practices.	2	Fall 2006
DFT 111A Technical Drafting I Lab (AutoCAD class)	This course provides a laboratory setting to enhance basic drafting skills. Emphasis is placed on practical experiences that enhance the topics presented in DFT 111. Upon completion, students should be able to apply the laboratory experiences to the concepts presented in DFT 111.	1	Fall 2006
DFT 151 CAD I (SolidWorks class)	This course introduces CAD software as a drawing tool. Topics include drawing, editing, file management, and plotting. Upon completion, students should be able to produce and plot a CAD drawing.	3	Fall 2006

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