



Cowley College Degree Grid

Cowley College quality control/nondestructive testing technician program offers you a short training time for a job that is in high demand. You will develop the knowledge and skills you need to perform sophisticated testing techniques that are required in many industries. Upon completion of this program, you will be prepared to develop, maintain, and enforce quality control programs. Prepares students to set up and calibrate equipment, interpret and evaluate results based upon nondestructive testing methods with respect to applicable codes, standards and specifications and prepares a person to be a non-destructive inspection technician and for ASNT certification examination.

NONDESTRUCTIVE TESTING TECHNOLOGY (Associate of Applied Science Degree)					
COURSE NUMBER	COURSE NAME	SEMESTER			
		1	2	3	4
GENERAL EDUCATION REQUIREMENTS					
Basic Skills (15 hours)					
COM2725 ENG2211	Interpersonal Communications or Composition I		3		
PHO6460	Ethics			3	
INR3716 BUS1412	Technical Math or Introduction to Entrepreneurship	3			
PSY6711	General Psychology		3		
INR3713	Applied Economics*				3
Computer Literacy (3 hours)					
CAP1516	Computer Applications or Computer Literacy*	3			
GENERAL EDUCATION HOURS 18		6	6	3	3
TECHNICAL REQUIREMENTS					
NDT3451	Introduction to Nondestructive Testing	3			
NDT3452	Visual Inspection (IP)	3			
NDT3453	Codes and Practices	3			
INR3717	Blueprint Reading			3	
NDT3456	Radiation Safety		3		
NDT3464	Radiographic Testing I		3		
NDT3465	Radiographic Testing II		3		
NDT3455	Magnetic Particle and Liquid Penetrant			3	
NDT3461	Ultrasonic Testing I			3	
NDT3462	Ultrasonic Testing II			3	
NDT3466	Radiographics Testing III			3	
INR3760	Industrial Materials		3		
NDT3463	Ultrasonic Testing III				3
NDT3467	Eddy Current Testing I				3
NDT3468	Eddy Current Testing II				3
NDT3469	Advanced NDT Methods				3
TOTAL TECHNICAL HOURS 48		9	12	15	12
TOTAL HOURS 66		15	18	18	15