



## Course 460 Syllabus

Classes covering NextGen Electrical Test Suite (NETS®) **REQUIRE**, at minimum, a general working knowledge of Windows® and Windows®-based applications. (Word experience, etc. would be very helpful.)

### Class Schedule

DAY 1			
TOPIC	CLASSROOM HOURS	LAB HOURS	PRACTICAL APPLICATION HOURS
Introduction	0.5		
Overview and System Configuration	0.5	0.5	
Switching Systems and Addressing	0.5		
Test Types	1.0		
How to Build an ACT File	1.0		1.0
How to Build a Parameter Statement	1.0		1.0
Programming Assignment		1.0	

DAY 2			
TOPIC	CLASSROOM HOURS	LAB HOURS	PRACTICAL APPLICATION HOURS
How to Build a Basic Test Script	2.0		
How to Customize Your Test Script	3.0		
Test Script Reporting	1.5		
Troubleshooting / Maintenance Aids	1.5		

DAY 3**			
TOPIC	CLASSROOM HOURS	LAB HOURS	PRACTICAL APPLICATION HOURS
Create Editor Menu	1.0	1.0	
Wire List Import / Self Program	1.0		1.0
Programming Assignment #2		1.0	
Running Your Test Script / Test File Execution	1.0		
External Instrument Routing	1.0		
Programming Assignment #3		1.0	



DAY 4**			
TOPIC	CLASSROOM HOURS	LAB HOURS	PRACTICAL APPLICATION HOURS
User Accounts / Maintenance	1.0		0.5
External Instrument Control	1.0		
Precision Measurement	1.0		
1553 Testing / Barcode Scanning	1.5	1.0	
Programming Assignment #4		1.0	
Final Review & Certification	1.0		

\*\*Note - Days 3-4 focus on operating NETS® and the lab and practical application hours may vary slightly based on user comprehension of learning objectives.

**Materials**

Each student attending Course 460: NETS® Programming and Operation will be provided the following materials to aid the student throughout the course: (Quantity shown in parenthesis)

- (1) Course 460: NETS® Programming and Operation Training Manual**
- (1) Course Syllabus (1) Course 460 Test (1) Class Evaluation Form**

These materials are provided to the students before the Introduction Lesson on Day 1 and are retainable by the students.

**Testing and Certification**

Prior to concluding the course on Day 4, a final exam will be administered to the students attending Course 460. The exam is 20 questions and comprised of; True/False Statements, Multiple Choice and Fill in the Blank. The exam is open-book, open-notes and should take students approximately 1 classroom hour to complete the exam. Once all students have completed the exam, the instructor will provide a graded answer review with the entire class and the answers are self-graded. The exams are returned to the instructor for course filing at DIT-MCO and students may then receive their DIT-MCO Course 460 NETS® Programming and Operation Certificate.

**Notes**

Note 1 - This course is designed to span the course of four (4) eight (8) hours days of mixed methods of instruction with a maximum capacity of twelve (12) students. Factors such as class size, student comprehension and available equipment and facilities can affect the overall length of the course by extending or lessening total instructional time by up to two (2) hours.

Note 2 - Periods of instruction of one hour or greater are scheduled for 50 minutes of instruction with a 10 minute break. At the conclusion of the 10 minute break a brief refresher will be provided to the students before continuing instruction.

Note 3 - Days 2-4 will begin with a 15 minute review of the material covered in the previous day. During this time, a 5 minute question and answer period will be allotted to answer questions pertaining to material covered up to that point.