

## Summary of Program Changes

General education core and elective courses were not used in the calculation of contact hours. Only occupational courses were used.

### **0540/Electronics and Telecommunications**

#### **BB71 – Basic Electronics Technician (GA Northwestern I.D.)**

(Current Version 201412, New Version 202412)

A new version of ELCR 1007, 1110, 1120, and 1125 replaced the previous versions. IDSY 1101 was added as an option to ELCR 1110 and IDSY 1105 was added as an option to ELCR 1120. Total program contact hours decreased by 1 hour per week and program credit hours decreased from 14 to 13.

#### **BE31 – Basic Electricity Technician (Coastal Pines)**

(Current Version 201412, New Version 202412)

A new version of ELCR 1110, 1120, and 1125 replaced the previous versions. IDSY 1101 was added as an option to ELCR 1110 and IDSY 1105 was added as an option to ELCR 1120. Total program contact hours decreased by 3 hours per week and program credit hours decreased from 13 to 10.

#### **BE41 – Basic Electronic Assembler**

(Current Version 201412, New Version 202412)

A new version of ELCR 1007 and 1110 replaced the previous versions. Total program contact hours decreased by 1 hour per week and program credit hours decreased from 10 to 9.

#### **CTT4 – Convergent Telecommunications Technology (Albany I.D.)**

(Current Version 201412, New Version 202412)

A new version of ELCR 1110, 1120 and 1125 replaced the previous versions. IDSY 1101 was added as an option to ELCR 1110 and IDSY 1105 was added as an option to ELCR 1120. Total program contact hours decreased by 3 hours per week and program credit hours decreased from 57 to 54.

#### **DET1 – Digital Electronics Technician (Coastal Pines I.D.)**

(Current Version 201003, New Version 202412)

A new version of ELCR 1007, 1130, and 1140 replaced previous versions. Total program contact hours decreased by 1 hour per week and program credit hours remained at 13.

#### **EF12 – Electronics Fundamentals**

(Current Version 201412, New Version 202412)

A new version of ELCR 1007, 1110, 1120, 1125, 1130, 1135, 1140, and 1150 replaced previous versions. IDSY 1101 was added as an option to ELCR 1110 and IDSY 1105 was added as an option to ELCR 1120. Total program contact hours increased by 2 hours per week and program credit hours increased from 38 to 40.

#### **ET13 – Electronics Technology**

(Current Version 201412, New Version 202412)

This program includes required Occupational core courses and a choice of 6 specializations. The total program credit hours increased from 61 to 63.

##### ***Occupational Core***

ELCR 1007, 1110, 1120, 1125, 1130, 1135, 1140, and 1150 replaced the previous versions. IDSY 1101 was added as an option to ELCR 1110 and IDSY 1105 was added as an option to ELCR 1120. COMP 1000 or a

technical elective was added to the Occupational courses. The contact hours increased 2 hours per week and the credit hours increased from 30 to 32.

***Biomedical Instrumentation Technology Specialization***

This specialization remained unchanged.

***Communications Electronics Technology Specialization***

ELCR 2215, 2225, 2235, and 2245 replaced the previous versions. ELCR 2595 was added as an option to ELCR 2250. The contact hours increased 1 hour per week and the credit hours increased from 17 to 18.

***Telecommunications Electronics Technology Specialization***

ELCR 2175, 2195, and 2595 replaced the previous versions. ELCR 2250 was added as an option to ELCR 2595. CIST 1122 was added as an option to ELCR 2175 and CIST 1401 was added as an option to ELCR 2195. The contact hours decreased 1 hour per week and the credit hours remained at 18.

***Industrial Electronics Technology Specialization***

ELCR 2115, 2125, 2135, 2155, and 2165, replaced the previous versions. IDSY 1230 was added as an option to ELCR 2115, IDSY 1110 was added as an option to ELCR 2125, IDSY 1120 was added as an option to ELCR 2135, and IDSY 1190 was added as an option to ELCR 2155. The contact hours increased 13 hours per week and the credit hours increased from 16 to 22.

***Home Technology Integration Specialization***

ELCR 2655 and 2685 replaced the previous versions. The contact hours decreased 2 hours per week and the credit hours remained at 16.

***Field Occupation Specialization***

This specialization remained unchanged.

**ET14 – Electronics Technology**

(Current Version 201412, New Version 202412)

This program includes required Occupational Core courses and a choice of 6 specializations. The total program credit hours increased from 54 to 56.

***Occupational Core***

ELCR 1007, 1110, 1120, 1125, 1130, 1135, 1140, and 1150 replaced the previous versions. IDSY 1101 was added as an option to ELCR 1110 and IDSY 1105 was added as an option to ELCR 1120. COMP 1000 or a technical elective was added to the Occupational courses. The contact hours increased 2 hours per week and the credit hours increased from 30 to 32.

***Biomedical Instrumentation Technology Specialization***

This specialization remained unchanged.

***Communications Electronics Technology Specialization***

ELCR 2215, 2225, 2235, and 2245 replaced the previous versions. ELCR 2595 was added as an option to ELCR 2250. The contact hours increased 1 hour per week and the credit hours increased from 17 to 18.

***Telecommunications Electronics Technology Specialization***

ELCR 2175, 2195, and 2595 replaced the previous versions. ELCR 2250 was added as an option to ELCR 2595. CIST 1122 was added as an option to ELCR 2175 and CIST 1401 was added as an option to ELCR 2195. The contact hours decreased 1 hour per week and the credit hours remained at 18.

***Industrial Electronics Technology Specialization***

ELCR 2115, 2125, 2135, 2155, and 2165, replaced the previous versions. IDSY 1230 was added as an option to ELCR 2115, IDSY 1110 was added as an option to ELCR 2125, IDSY 1120 was added as an option to ELCR 2135, and IDSY 1190 was added as an option to ELCR 2155. The contact hours increased 13 hours per week and the credit hours increased from 16 to 22.

***Home Technology Integration Specialization***

ELCR 2655 and 2685 replaced the previous versions. The contact hours decreased 2 hours per week and the credit hours remained at 16.

### ***Field Occupation Specialization***

This specialization remained unchanged.

### **HT21 – Home Technology Integration Specialist**

(Current Version 201512, New Version 202412)

A new version of ELCR 1110, 1120 and 2655 replaced the previous versions. Total program contact hours decreased by 2 hours per week and program credit hours decreased from 24 to 23.

### **LV21 – Low Voltage System Installer (Wiregrass GA I.D.)**

(Current Version 201714, New Version 202412)

A new version of ELCR 1007 and ELCR 2195 replaced the previous version. Total program contact hours increased by 2 hours per week and program credit hours increased from 20 to 21.

### **LVE1 – Low Voltage Electronic Safety and Security Technician (Wiregrass GA I.D.)**

(Current Version 201714, New Version 202412)

A new version of ELCR 1007, ELCR 2195 and ELCR 2685 replaced the previous version. Total program contact hours increased by 2 hours per week and program credit hours increased from 20 to 22.

### **NEA1 – Naval Electronics Apprentice (Coastal Pines I.D.)**

(Current Version 201512, New Version 202412)

A new version of ELCR 1110, 1120, 1125, 1130, 1135, 1140, and 1150 replaced the previous versions. IDSY 1101 was added as an option to ELCR 1110 and IDSY 1105 was added as an option to ELCR 1120. Total program contact hours remained unchanged and program credit hours remained at 33.

### **TAS3 – Telecommunications and Security Technology (Wiregrass GA I.D.)**

(Current Version 201312, New Version 202412)

This program includes required Occupational Core courses and a choice of 4 specializations. The total program credit hours remained unchanged at 63.

#### ***Occupational Core***

ELCR 2175 and 2195 replaced the previous versions. CIST 1122 was added as an option to ELCR 2175 and CIST 1401 was added as an option to ELCR 2195. The contact hours decreased 1 hour per week and the credit hours remained at 36.

#### ***Broadband CATV Specialization***

This specialization remained unchanged.

#### ***Convergent Voice Specialization***

This specialization remained unchanged.

#### ***Electronic Safety and Security Specialization***

ELCR 2685 replaced the previous version. The contact hours remained unchanged, and the credit hours increased from 12 to 13.

#### ***IP Broadband Specialist***

This specialization remained unchanged.

### **TC61 – Telecommunications Cabling Specialist (Albany I.D.)**

(Current Version 201412, New Version 202412)

A new version of ELCR 1110 replaced the previous version and IDSY 1101 was added as an option for the ELCR 1110. Total program contact hours decreased by 3 hours per week and program credit hours decreased from 17 to 14.

## **TES2 – Telecommunications and Security Technology (Wiregrass GA I.D.)**

(Current Version 201312, New Version 202412)

This program includes required Occupational Core courses and a choice of 4 specializations. The total program credit hours increased from 45 to 46.

### ***Occupational Core***

ELCR 2175 and 2195 replaced the previous versions. CIST 1122 was added as an option to ELCR 2175 and CIST 1401 was added as an option to ELCR 2195. The contact hours decreased 1 hour per week and the credit hours increased from 25 to 26.

### ***Broadband CATV Specialization***

This specialization remained unchanged.

### ***Convergent Voice Specialization***

This specialization remained unchanged.

### ***Electronic Safety and Security Specialization***

ELCR 2685 replaced the previous version. The contact hours remained unchanged, and the credit hours increased from 12 to 13.

### ***IP Broadband Specialist***

This specialization remained unchanged.

## **TET2 – Transit Electronics Technician (GA Piedmont I.D.)**

(Current Version 201512, New Version 202412)

A new version of 1007, ELCR 1110, 1120, 1125, 1130, 1135, 1140, 1150, and 2195 replaced the previous versions. Total program contact hours increased by 3 hours per week and program credit hours increased from 57 to 60. **The new program version will need to be reduced as diploma programs cannot exceed 59 credit hours.**

## **TS41 – Telecommunications Service and Operations (GA Piedmont I.D.)**

(Current Version 201412, New Version 202412)

A new version of ELCR 1110, 1120, and 1125 replaced the previous versions. IDSY 1101 was added as an option to ELCR 1110 and IDSY 1105 was added as an option to ELCR 1120. Total program contact hours decreased by 3 hours per week and program credit hours decreased from 19 to 16.

## **TSA1 – Telecommunications Service and Electronics (Lanier I.D.)**

(Current Version 201312, New Version 202412)

A new version of ELCR 1007 and 2175 replaced the previous versions. CIST 1122 was added as an option for ELCR 2175. ELCR 1110 was added as DC option and ELCR 1120 was added as AC option. Total program contact hours remained unchanged and program credit hours increased from 25 to 26. NOTE: In the previous 201312 version, the course cluster for the AC course options was not formatted correctly resulting in an incorrect calculation of 31 total program credit hours.

## **VFD1 – Variable Frequency Drives Technician (GA Northwestern I.D.)**

(Current Version 201512, New Version 202412)

A new version of ELCR 1110, 1120, 1125, 1130, 1135 and 2125 replaced the previous versions. IDSY 1101 was added as an option to ELCR 1110, IDSY 1105 was added as an option to ELCR 1120, and IDSY 1110 was added as an option for ELCR 2125. Total program contact hours increased by 3 hours per week and program credit hours increased from 21 to 22.

## **0100/Air Conditioning Technology**

### **CR12 – Commercial Refrigeration (GA Piedmont I.D.)**

(Current Version 201512, New Version 202412)

A new version of ELCR 1110 replaced the previous version. Total program contact hours decreased by 3 hours per week and program credit hours decreased from 55 to 52.

### **CR13 – Commercial Refrigeration (GA Piedmont I.D.)**

(Current Version 201512, New Version 202412)

A new version of ELCR 1110 replaced the previous version. Total program contact hours decreased by 3 hours per week and program credit hours decreased from 71 to 68.

## **0170/Automated Manufacturing Technology**

### **PMA3 – Precision Manufacturing and Maintenance**

(Current Version 201712, New Version 202412)

This program includes required Occupational Core courses and a choice of 3 specializations. The total program credit hours remained at 60.

#### ***Occupational Core***

Added ELCR 1110 as an option for IDSY 1101, ELCR 1120 as an option for IDSY 1105, ELCR 2125 was added as an option to IDSY 1110 and ELCR 2135 was added as an option to IDSY 1120. ELCR 2115 and 2155 replaced the previous versions. The contact hours per week remained unchanged and the credit hours remained at 26.

#### ***Industrial/Mechanical Specialization***

This specialization remained unchanged.

#### ***Customized Training Specialization***

ELCR 2125 was added as an option to IDSY 1110 and ELCR 2135 was added as an option to IDSY 1120. The contact hours per week remained unchanged and the credit hours remained at 20.

#### ***Mechatronics Specialization***

ELCR 1125 was added as an option to IDSY 1120 and AUMF 1120. The contact hours per week remained unchanged and the credit hours remained at 19.

## **0500/Electrical Construction and Maintenance**

### **AL51 – Apprentice Lineworker-Basic (Southern Crescent I.D.)**

(Current Version 201003, New Version 202412)

A new version of ELCR 1120 replaced the previous version and IDSY 1105 was added as an option for ELCR 1120. Total program contact hours decreased by 5 hours per week and credit hours decreased from 17 to 13.

### **EI11 – Energy Industry Technology**

(Current Version 201512, New Version 202412)

This program includes required Occupational Core courses and a choice of 3 tracks. The total program credit hours decreased from 24 to 22.

#### ***Occupational Core***

The occupational core courses remained unchanged.

#### ***Industrial Systems Track***

This specialization remained unchanged

#### ***Electronics Track***

A new version of ELCR 1110, 1120, 2115 and 2135 replaced the previous versions. IDSY 1101 was added as an option to ELCR 1110 and IDSY 1105 was added as an option to ELCR 1120. IDSY 1230 and IDSY 1120 were added as options for the Controls course requirement. The contact hours decreased 6 hours per week and the credit hours decreased from 16 to 10.

### ***Electrical Lineworker Track***

This specialization remained unchanged

### **0570/Environmental Engineering Technology**

#### **AE21 – Alternative Energy Fundamentals**

(Current Version 201412, New Version 202412)

A new version of ELCR 1110, 1120, 1125, 1130, and 1135 replaced the previous versions. IDSY 1101 was added as an option to ELCR 1110 and IDSY 1105 was added as an option to ELCR 1120. Total program contact hours increased by 1 hour per week and program credit hours remained the same at 24.

### **0680/Industrial Systems Technology**

#### **AM11 – Mechatronics Specialist**

(Current Version 201512, New Version 202412)

A new version of ELCR 2155 replaced the previous version and IDSY 1190 was added as an option to ELCR 2155 course. Total program contact hours increased by 4 hours per week and program credit hours increased from 11 to 13.

#### **MPS1 – Manufacturing Operations Specialist**

(Current Version 201512, New Version 202412)

A new version of ELCR 1110 replaced the previous version. Total program contact hours decreased by 2 hours per week and program credit hours decreased from 16 to 15.

### **0810/Mechanical Engineering Technology**

#### **ME22 – Manufacturing Engineering Technology (Ogeechee I.D.)**

(Current Version 201712, New Version 202412)

A new version of ELCR 2155 replaced the previous version. Total program contact hours increased by 4 hours per week and credit hours increased from 53 to 55.

#### **ME23 – Manufacturing Engineering Technology (Ogeechee I.D.)**

(Current Version 201712, New Version 202412)

A new version of ELCR 2155 replaced the previous version. Total program contact hours increased by 4 hours per week and credit hours increased from 71 to 73.

### **1020/Railroad Operations**

#### **LE51 – Locomotive Electrical Systems (Coastal Pines I.D.)**

(Current Version 201512, New Version 202412)

A new version of ELCR 2125 replaced the previous version and IDSY 1110 was added as an option for ELCR 2125. Total program contact hours increased by 2 hours per week and program credit hours increased from 18 to 19.

**LEA2 – Locomotive Electrical and Mechanical Technology (Coastal Pines I.D.)**

(Current Version 201612, New Version 202412)

A new version of ELCR 2125 and 2155 replaced the previous versions. IDSY 1110 was added as an option for ELCR 2125 and IDSY 1190 was added as an option for ELCR 2155. COMP 100 was removed. Total program contact hours decreased by 1.67 hours per week and credit hours remained at 58.

**LM31 – Locomotive Mechanical Systems (Coastal Pines I.D.)**

(Current Version 201612, New Version 202412)

A new version of ELCR 2155 replaced the previous version and IDSY 1190 was added as an option for ELCR 2155. Total program contact hours increased by 4 hours per week and program credit hours increased from 17 to 19.

**RSM3 – Railroad Systems Management Technology (Coastal Pines I.D.)**

(Current Version 201812, New Version 202412)

A new version of ELCR 2125 and 2155 replaced the previous versions. The contact hours per week and the credit hours for the Occupational courses remained unchanged. The Mechanical Specialization contact hours increased by 4 hours per week and the specialization credit hours increased 2 hours. The Electrical Specialization contact hours increased by 2 hours per week and the specialization credit hours increased 1 hour. Total program credit hours increased from 60 to 61.