



# Atlantic Technical College

## Electronic Technology

### Program Syllabus

### 2017-2018



**Instructor Name:** Mr. Lopez, FCC, SETCST, CETSR, A+, N+, WCM  
**Department Name:** Technical Trades Department  
**Office/Classroom Location:** Building 12, Room 227  
**Phone Number:** (754) 321-5100  
**Email Address:** hector.lopez@browardschools.com

**Instructor Office Hours:**  
**M-F: 1:50 PM - 3:50 PM**  
 (by appointment only)

<p><b>Student Hours:</b>  <b>Monday – Friday</b>          7:05 AM – 1:50 PM          (Adults)</p> <p>7:05 AM to 10:05 AM          (High School 11<sup>th</sup> Graders)</p> <p><b>Lunch:</b> 10:05 AM to 10:35 AM  <b>Break:</b> 10:35 AM to 10:50 AM</p> <p>10:50 AM to 1:50 PM          (High School 12<sup>th</sup> Graders)</p> <p><i>NOTE: All students are expected to be present during their entire scheduled class time(s). All classroom breaks will occur on an “as needed” basis. The wall clock in the classroom will serve as the official time.</i></p>	<p><b>Program Name:</b> Electronic Technology  <b>Career Cluster:</b> Manufacturing</p>		
	<b>OCPs</b>	<b>Course Number / Title</b>	<b>Course Length</b>
	A	EEV0010 /Electronics Assembler	250 hours
	B	EEV0100 /Electronics Tester	400 hours
	C	EEV0500 /Electronics Equipment Repairer	375 hours
	D	EEV0616 /Electronics Technician	<u>375 hours</u>
			<b>1400</b> total hours (full-time, including summer)

**Technical College Policy/Adult Student Attendance:**

- A student must be withdrawn after being absent for six (6) consecutive days.
- Two (2) additional absences may be allowed under certain circumstance with appropriate documentation.
- Please refer to the Student Handbook for postsecondary students.  
[http://www.atlantictechcenter.com/Portals/7/pdfs/2015BTC\\_Handbook\\_LR.pdf](http://www.atlantictechcenter.com/Portals/7/pdfs/2015BTC_Handbook_LR.pdf)

**Magnet High School/Attendance Policy:**

A student who has had at least five unexcused absences, or absences for which the reasons are unknown, within a calendar month, or 10 unexcused absences, or absences for which the reasons are unknown, within a 90-calendar-day period, may be exhibiting a pattern of non-attendance (F.S.1003.26 (1) (b)) and the School Board of Broward County, Policy 5.5.

<p><b>Required Book(s) and/or Online Access</b> Available for purchase at the ATC Bookstore:</p> <ul style="list-style-type: none"> <li>• Electricity &amp; Electronics Text/Lab Pkg.</li> </ul>	<p><b>Required Materials/Supplies</b> Purchased from ATC Bookstore:</p> <ul style="list-style-type: none"> <li>• Computer Mouse</li> <li>• Computer Tool Kit / 11 Piece</li> <li>• Crimping Tool</li> <li>• Power Supply Tester (NEW)</li> <li>• RJ Connectors 10 Pack</li> <li>• Scientific Calculator *</li> <li>• USB Drive / 8 GB *</li> <li>• VOM-Multimeter</li> <li>• Wrist Strap</li> </ul> <p>Not Purchased from ATC Bookstore:</p> <ul style="list-style-type: none"> <li>• Solar Powered Scientific Calculator</li> </ul>
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*All required books & most materials/supplies can be purchased from the school bookstore. Stop by during operational hours for pricing & purchasing information.*

**ADULT STUDENTS:** *All required books & some materials/supplies can be purchased from the school bookstore. Stop by during operational hours for pricing & purchasing information. All other required materials/ retail supplies not available at the bookstore need to be purchased elsewhere. All required books and required materials/retail supplies need to be obtained prior to the start of the program.*

**HIGH SCHOOL STUDENTS:** *Students receive all required books and most of the required materials/supplies on loan, for the exception of those required materials/ retail supplies that have an asterisk (\*) before their name. High School students are responsible for the care and return of all of the required books and required materials/supplies on loan and will be issued an obligation for damaged or missing books and/or materials/supplies. Some of the required materials/supplies can be purchased from the school bookstore. Stop by during operational hours for pricing & purchasing information. All other required materials/retail supplies not available at the bookstore need to be purchased elsewhere. Required materials/supplies that have an asterisk (\*) before their name need to be obtained by prior to the start of the program.*

<p><b>Grading System:</b></p> <ul style="list-style-type: none"> <li>A 90 - 100%</li> <li>B 80 - 89%</li> <li>C 70 - 79%</li> <li>D 60 - 69%</li> <li>F 0 - 59%</li> <li>I Incomplete</li> </ul>	<p><b>Additional Program Specific Grading Information:</b></p> <table> <tr> <td>Assignments / Classwork</td> <td>55 %</td> </tr> <tr> <td>Quizzes / Tests</td> <td>35 %</td> </tr> <tr> <td>Work Habits / Class Participation</td> <td>10 %</td> </tr> </table>	Assignments / Classwork	55 %	Quizzes / Tests	35 %	Work Habits / Class Participation	10 %
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Quizzes / Tests	35 %						
Work Habits / Class Participation	10 %						

**Online Course Grading Policy:**  
Not Applicable

**View Your Grades:**

**Grades can be viewed online by following the directions below:**

1. Go to <https://browardfocus.com> (access FOCUS using Chrome, Firefox or Safari)
2. Student ID which is on your student schedule.
3. Passcode: Student's date of birth formatted as YYYYMMDD.  
*Four digits for the year, two digits for the month and two digits for the day.*

**Class Room/ Lab Rules:**

1. Students are expected to be in their seats and ready to work when the bell rings.
2. Students are to remain in their assigned seats, unless given permission to relocate.
3. Students are required to adhere to the Code of Conduct at all times, as set forth by the School Administration and the Student Handbook.
4. Students are to show respect to other students and the teacher at all times.
5. Good manners are necessary for a pleasant classroom environment. Please raise your hand to be recognized. Do not speak when someone else is speaking. Rudeness, bullying or disruptive behavior will NOT be tolerated.
6. Students are responsible to keep their personal belongings with them at all times.
7. All electronic devices must be silent and out of sight during instructional time. This includes cell phones, headphones, mp3 players, etc. The school and/or teacher are not responsible for lost or stolen devices/personal belongings of any kind.
8. Computer use is a privilege and should only be used for researching Electronics Technology-related information and to complete required assignments / classwork.
9. No food and/or drinks are permitted in the classroom.
10. Students are not allowed to chew gum in class.
11. Students are expected to always maintain a clean and neat work area.
12. Log off of computer & turn off monitor before leaving class each day (except on Thursdays, when updates occur).
13. Remain seated, when the bell rings, until you are dismissed.
14. Students must notify teacher, in advance, if planning to miss a portion of class time(s) for ANY reason.
15. Students shall familiarize themselves and adhere to all safety procedures as noted in the Classroom Safety Manual.

**Industry Certification & Credential Exam Costs:**

- CETa (Certified Electronic Technician) - \$60
- Comp TIA As-Certification - \$168
- Comp TIA Network+ Certification - \$239
- Computer Service Technician (CST) - \$75
- Certified Network Computer Technician (CNCT) - \$75
- Certified Network Systems Technician (CNST) - \$100

*You may qualify for certification reimbursement of your exam cost(s) upon passing. Credential fees are subject to change.*

**Outstanding Student Recognition Information:**

A gold seal will be applied to a Program Completion Certificate or an Applied Technology Diploma if the student has earned a 3.5 GPA or higher in their Career and Technical Education (CTE) classes.

**Program Name:** Electronic Technology

**Course Number:** EEV0010  
**Course Name:** Electronics Assembler  
**Occupational Completion Point:** A

**Intended Outcomes:**

- 01. Demonstrate proficiency in soldering and basic laboratory practices.
- 02. Demonstrate proficiency in basic DC circuits

**Course Number:** EEV0100  
**Course Name:** Electronics Tester  
**Occupational Completion Point:** B

**Intended Outcomes:**

- 03.0 Demonstrate proficiency in advanced DC circuits.
- 04.0 Demonstrate proficiency in AC circuits.
- 05.0 Demonstrate proficiency in solid state devices.

**Course Number:** EEV0500  
**Course Name:** Electronics Equipment Repairer  
**Occupational Completion Point:** C

**Intended Outcomes:**

- 06.0 Demonstrate proficiency in digital circuits.
- 07.0 Demonstrate proficiency in fundamental micro-process

**Course Number:** EEV0616  
**Course Name:** Electronics Technician  
**Occupational Completion Point:** D

**Intended Outcomes:**

- 08.0 Demonstrate skills in technical recording utilizing industry recognized computer application software.
- 09.0 Demonstrate proficiency in analog circuits.

The School Board of Broward County, Florida, prohibits any policy or procedure which results in discrimination on the basis of age, color, disability, gender identity, gender expression, national origin, marital status, race, religion, sex or sexual orientation. Individuals who wish to file a discrimination and/or harassment complaint may call the Director, Equal Education Opportunities/ADA Compliance Department at 754-321-2150 or Teletype Machine (TTY) 754-321-2158. Individuals with disabilities requesting accommodations under the Americans with Disabilities Act Amendments Act of 2008, (ADAAA) may call Equal Educational Opportunities/ADA Compliance Department at 754-321-2150 or Teletype Machine (TTY) 754-321-2158.