

# HEAVY-DUTY TRUCK TECHNICIAN - ADVANCED TECHNICAL CERTIFICATE (ATC)

Explore More About This Program: <https://cwi.edu/program/heavy-duty-truck-technician>

## Certificate Plan: Summer Start

*The course sequence listed below is strongly recommended in order to complete your program requirements. Many Career and Technical Education (CTE) courses have prerequisites and/or corequisites that have been accounted for within this course sequence plan. Please register for each semester as shown using the Student Planning tool in myCWI. Consult your advisor for any questions regarding this course sequence plan.*

### **\*\*NOTE\*\***

Heavy-Duty Truck Technician (TTEC) majors are required to complete three general education courses in order to receive an Advanced Technical Certificate. Prior to beginning their TTEC courses, students must successfully complete any two general education courses. While it is recommended that students complete all three of their required general education courses during the spring and/or summer semester(s) prior to beginning the program, students may elect to take the additional required GEM course(s) during the summer semester between their first and second year in the program, if preferred. Students may also complete GEM courses during regular semesters while enrolled in TTEC courses if they feel capable of doing so. **Students should note that the completion of a GEM 1 (or GEM 2), GEM 3, and GEM 6 (or GE Elective) course are required prior to beginning their final semester of the program.**

### First Year

Summer		Credit Hours
<b>Full 8-Week Course Session</b>		
MATH 118 & 118L	Technical Math and Technical Math Lab (Recommended GEM 3) <sup>1</sup>	3
Select one of the following:		3
CWI 101	Connecting With Ideas (Recommended GE Elective) <sup>1</sup>	
PSYC 140	Human Relations for Career and Personal Success (Recommended GEM 6) <sup>1</sup>	
<b>Total Semester Credit Hours</b>		<b>6</b>

### Fall

<b>First 5-Week Course Session</b>		
TTEC 102	Foundation and Safety	4
<b>Second 5-Week Course Session</b>		
TTEC 106	Electrical and Electronic Systems	4
<b>Third 5-Week Course Session</b>		
TTEC 110	Engines/Engine Controls	4
<b>Total Semester Credit Hours</b>		<b>12</b>

### Spring

<b>First 5-Week Course Session</b>		
TTEC 120	Suspension, Steering, and Brakes	4
<b>Second 5-Week Course Session</b>		
TTEC 130	Drivetrains	4
<b>Third 5-Week Course Session</b>		
TTEC 140	Preventive Maintenance/HVAC	4
<b>Total Semester Credit Hours</b>		<b>12</b>

### Second Year

<b>Summer</b>		
<b>Full 8-Week Course Session</b>		
Select one of the following:		3

COMM 101	Fundamentals of Oral Communication (Recommended GEM 2) <sup>1</sup>	
ENGL 101	Writing and Rhetoric I (Recommended GEM 1) <sup>1</sup>	
<b>Total Semester Credit Hours</b>		<b>3</b>
<b>Fall</b>		
<b>First 5-Week Course Session</b>		
TTEC 220	Advanced Electrical Systems	4
<b>Second 5-Week Course Session</b>		
TTEC 230	Advanced Engine/Engine Controls	4
<b>Third 5-Week Course Session</b>		
TTEC 240	Advanced Drivetrains	4
<b>Total Semester Credit Hours</b>		<b>12</b>
<b>Spring</b>		
<b>First 5-Week Course Session</b>		
TTEC 250	Advanced Suspension, Steering, and Braking Systems	4
<b>Second 5-Week Course Session</b>		
TTEC 260	Advanced Preventive Maintenance/HVAC	4
<b>Third 5-Week Course Session</b>		
TTEC 290	Heavy-Duty Truck Technician Capstone	4
<b>Total Semester Credit Hours</b>		<b>12</b>
<b>Minimum Credit Hours Required</b>		<b>57</b>

<sup>1</sup> The courses listed under the General Education Requirements section are recommended by the department as the most beneficial general education (GE) options for students in this program. **Please note that students may fulfill their GE requirements by completing another course from within the designated general education category.**