

Items approved by Education Council January 11, 2018

Executive: J Hamilton, A Hay, C Kushner, R Eby
Deans: P Ashman, B Gillett, R Huxtable, J Lister, S Moores, Y Mori T Kisilevich, L Kraft, L Skulmoski, S Josephson, K
Continuing Studies: D Silvestrone
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International Education: R Boris
Registrar's Office: J Muskens, A Hickey, L Rozniak, C Schneider, K Otke
Public Affairs: A Coyle
Library: R Tyner
Student Services: J Coble
Ontario Skills and Trades Technician Foundation Program

- Short title: **AST Foundation**

Rationale:

ITA has completed a complete program update to reflect the Harmonized Automotive Service Technician Red Seal program. This program includes a certification exam. The AST 1 Certificate is a qualification of 690 workplace hours are required to proceed into AST 2.

Admission requirements:

- x B.C. secondary school graduation, or equivalent, or 19 years of age and out of secondary school for at least one year as of the first day of classes.
- x English 10 with minimum 50% or alternates.
- x Math requirement:
- x A minimum of 50% in any of:
 - $\frac{3}{4}$ Pre-calculus Grade 11
 - $\frac{3}{4}$ Foundations of Mathematics Grade 11
 - $\frac{3}{4}$ Apprenticeship and Workplace Mathematics Grade 11
 - $\frac{3}{4}$ Principles of Mathematics 11
 - $\frac{3}{4}$ Applications of Mathematics 11
 - $\frac{3}{4}$ Essentials of Mathematics 11
 - $\frac{3}{4}$ Adult Basic Education MATH 011

- $\frac{3}{4}$ Adult Basic Education MATH 084 and MATH 085
 - $\frac{3}{4}$ Adult Basic Education IALG 011
- x Or a minimum of 63% on the ABLÉ mathematics Test scores are only good for two (2) years. Applicants who have not satisfied the Math requirement within the last seven (7) years must write the ABLÉ Mathematics test and must receive a minimum of 63%.

Graduation requirements:

ASTF 109 Industry Work Placement students must receive a "Pass" grade. Minimum passing grade is a GGA of seventy percent (70%)

Program outline:

ASTF 100 PERFORM SAFETY-RELATED FUNCTIONS 36 HOURS

This course introduces students to safety practices that are required in automotive shop environments. Students will use and demonstrate safety practices.

ASTF 101 USE TOOLS, EQUIPMENT AND DOCUMENTATION 126 HOURS

This course introduces students to tools and equipment that are found and used in an automotive shop environment. Students will operate tools and equipment that are found in an automotive shop environment.

ASTF 102 USE COMMUNICATION AND MENTORING TECHNIQUES 9 HOURS

ASTF 108 DIAGNOSE AND REPAIR HYBRID AND ELECTRIC VEHICLES (EV) 9 HOURS

This course introduces students to automotive hybrid and electric vehicles (EV). Students will perform safety related system disconnect and re-connect to perform automotive service and repair on a hybrid or electric vehicle.

ASTF 109 INDUSTRY WORK PLACEMENT 60 HOURS

Students will be assigned to an employer for a two-week period where they will have the opportunity to demonstrate their skills acquired throughout the program. Assessment will be provided by the employer and input will be given by the instructor as well.

ASTF 110 FINAL EXAM 30 HOURS

This course will provide the student with the curriculum review required to successfully complete the final exam. Students will conduct a review of the program curriculum and write the final exam. The review will prepare students to complete the AST 1 C of Q exam invigilated by the ITA.

Implementation date: February 2018

Costs: n/a

Motion: That Education Council approves the new program: Welding Foundation as recommended by the CPRC – T/A:

New program

Welding Foundation

Rationale:

I.T.A. has completed a program update to reflect the harmonized welding red seal program. This Program reflects the changes to the I.T.A. welder foundation outline.

Calendar description:

This 2-

Applicants who have not satisfied the Math requirement within the last seven (7) years must write the ABLÉ Mathematics test and must receive a minimum of 63%.

Graduation requirements:

Minimum passing grade is a GGA of seventy percent (70%)

Program outline

WDFD 100 LINE A OCCUPATIONAL SKILLS 59 HOURS

This course introduces students to occupational skills in the welding industry.

WDFD 101 LINE B CUTTING AND GOUGING PROCESSES 50 HOURS

This course introduces students to the operation and application of the oxy-fuel, plasma arc and carbon arc cutting and gouging processes.

WDFD 102 LINE C FUSION AND BRAZE WELDING (TB) USING THE OXY- FUEL PROCESS 25 HOURS

This course introduces students to oxy- fuel fusion and braze welding.

WDFD 103 LINE D SHIELDED METAL ARC WELDING (SMAW) 353 HOURS

This course introduces students to shielded metal arc welding (SMAW). Stick Welding.

WDFD 104 LINE E SEMI-AUTOMATIC AND AUTOMATIC WELDING 252 HOURS

This course introduces students to gas metal arc welding (GMAW), gas metal pulsed arc welding (GMAW-P), flux core arc welding (FCAW), metal core arc welding (MCAW), and submerged arc welding (SAW). Wire-feed welding.

WDFD 105 LINE F GAS TUNGSTEN ARC WELDING (GTAW) 34 HOURS

This course introduces students to gas tungsten arc welding (GTAW). TIG Welding.

WDFD 107 LINE H BASIC METALLURGY 8 HOURS

This course introduces students to the identification of the properties of ferrous and non-ferrous metals.

WDFD 108 LINE I WELD DRAWINGS, LAYOUT AND FABRICATION. 59 HOURS

This course introduces students to reading and sketching blueprints.

STANDARDIZED LEVEL EXAM FINAL (SLE)

The students will be provided opportunities to review the course material and prepare for the final exam. The SLE is administered by the ITA at the successful completion of the course.

Implementation date: January 2018

Costs: n/a

Library one-time	\$1520.00
Library ongoing	\$1095.00
Staffing	\$8255.00

ENGL 299 – 3 – 3 Special Topics: (Identified topic)

New Course

Rationale:

The Department does not currently have a second-year special topics course. We require one to offer

- ESLR 012 Introduction to Reading - Academic
- ESLR 022 Reading Improvement

Course revisions:

x

1 minimum score of 31 required 2 minimum grade of 65 required	1 minimum grade of 65 required	
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Hours:

Current	Proposed	
5	5	

English as a Second Language – course revisions for:

- EAPD 010 - Academic Discussion Skills I
- EAPD 020 – Academic Discussion Skills II
- EAPD 030 – Academic Discussion Skills 3
- EAPD 040 – Academic Discussion Skills 4

Course revisions:

- x Contact hours
- x Prerequisites

EAPD 010 - Academic Discussion 1

Prerequisites:

Current	Proposed	
ESLE 020 ¹ or OCELA ² or IELTS ³ or TOEFL Internet Based Score ⁴ 1 minimum grade of 65 required 2 minimum score of 199 required 3 minimum score of 4.5 required 4 minimum score of 052 require	Placement at Level 3 Discussion on OCELA; or ESLE 020 ¹ or IELTS ² or TOEFL Internet Based Score ³ 1 minimum grade of 65 required 2 minimum score of 4.5 required 3 minimum score of 052 required	

Current	Proposed	
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