

Apprenticeship Articulation Agreement: Automotive Service Technician Trade Student Information and Sign-off Form

Based on an articulation agreement established with the Apprenticeship and Industry Training Division:

- students who successfully complete 25 required CTS courses related to the Automotive Service Technician trade may be credited, upon successfully challenging the appropriate theory examinations, with the first period of formal instruction. Logged hours earned within the industry toward the trade may also be credited upon the recommendation of the employer
- students who successfully complete 35 required CTS courses related to the Automotive Service Technician trade may be credited, upon successfully challenging the appropriate theory examinations, with the first and second periods of formal instruction and 525 hours of on-the-job training (375 hours for the first period and 150 hours for the second period). Additional logged hours earned within the industry toward the trade may also be credited upon the recommendation of the employer.

Additional terms of the agreement require that:

- required CTS courses identified with a ■ must be delivered and assessed by a journeyman automotive service technician
- following the completion of each semester/school term, marks consistent with those reported to Alberta Learning be entered on this form for those courses identified to the right that were successfully completed by the student
- upon successful completion of an accredited CTS automotive service technician program, Part B of this form be completed by the supervising teacher, journeyman and principal, verifying successful completion of all required courses.

Advanced standing in the apprenticeship program for Automotive Service Technician will not be granted unless all requirements for program delivery, reporting of achievement and verification/sign-off as outlined in this agreement have been met. Students eligible for advanced standing through the terms of this agreement will be required to produce this form at the time of making application to enter an apprenticeship contract.

Part A: Student and School Information

Student: _____
 School: _____
 School Telephone: _____
 Supervising Teacher: _____
 Journeyman Instructor: _____

Required CTS Courses in Mechanics and Related Strands★

Course Code	Course Name	Course Mark
FIRST PERIOD		
MEC1020	Vehicle Service & Care	
MEC1040	Engine Fundamentals	
MEC1090	Electrical Fundamentals	
MEC1110	Pneumatics & Hydraulics	
MEC1130	Mechanical Systems	
MEC1150	Ride & Control Systems	
MEC1160	Structures & Materials	
FAB1040	Oxyacetylene Welding	
FAB1130	Principles of Machining	
MEC2020	Vehicle Maintenance [■]	
MEC2030	Lubrication & Cooling [■]	
MEC2060	Ignition Systems [■]	
MEC2090	Electrical Components [■]	
MEC2100	Power Assist Accessories [■]	
MEC2110	Braking Systems [■]	
MEC2120	Hydraulic Accessories [■]	
CTR2110	Project A (Brake Project) [■]	
MEC2130	Drive Trains [■]	
CTR2120	Project 2B (Electrical Project) [■]	
MEC2150	Suspension Systems [■]	
MEC2160	Steering Systems [■]	
MEC3040	Engine Tune-up [■]	
MEC3100	Safety Systems [■]	
MEC3150	Wheel Alignment [■]	
CTR3120	Project 3B (Wheel Alignment Project) [■]	
SECOND PERIOD		
MEC2040	Fuel & Exhaust Systems [■]	
MEC2050	Alternative Fuel Engines [■]	
MEC2070	Emission Controls [■]	
MEC3030	Engine Diagnosis [■]	
MEC3050	Engine Replacement [■]	
MEC3060	Engine Reconditioning 1 [■]	
MEC3070	Engine Reconditioning 2 [■]	
CTR3130	Project 3C (Engine Components Project) [■]	
MEC3140	Drive Train Repair [■]	
CTR3140	Rear Axle and Differential Project [■]	

■ Courses that must be delivered and assessed by a journeyman automotive service technician.

Part B: Verification and Sign-off

Number of Courses Successfully Completed: _____
 Date Issued: _____
 Journeyman Instructor's Signature: _____
 Journeyman Certificate No.: _____
 Supervising Teacher's Signature: _____
 Principal's Signature: _____

★For a detailed description of CTS courses, see the appropriate *Guide to Standards and Implementation* available for purchase from the Learning Resources Distributing Centre, or for viewing and downloading from the CTS web site.

Apprenticeship Articulation Agreement: Cabinetmaker Trade Student Information and Sign-off Form

Based on an articulation agreement established with the Apprenticeship and Industry Training Division:

- students who in each year of high school successfully complete 10 or more required CTS courses related to the Cabinetmaker trade may be granted upon completion of each year of high school with 136 hours of on-the-job training credits (to a total of 408 hours) toward their apprenticeship. Additional logged hours earned within the industry toward the trade may also be credited upon the recommendation of the employer.

Additional terms of the agreement require that:

- required CTS courses identified with a ■ must be delivered and assessed by a journeyman cabinetmaker
- students must obtain a final grade of 70% or more in each CTS course
- following the completion of each semester/school term, marks consistent with those reported to Alberta Learning be entered on this form for those courses identified to the right that were successfully completed by the student
- upon successful completion of an accredited CTS cabinetmaker program, Part B of this form be completed by the supervising teacher, journeyman and principal, verifying successful completion of all required courses.

Advanced standing in the apprenticeship program for Cabinetmaker will not be granted unless all requirements for program delivery, reporting of achievement and verification/sign-off as outlined in this agreement have been met. Students eligible for advanced standing through the terms of this agreement will be required to produce this form at the time of making application to enter an apprenticeship contract.

Part A: Student and School Information

Student: _____
 School: _____
 School Telephone: _____
 Supervising Teacher: _____
 Journeyman Instructor: _____

Required CTS Courses in Construction Technologies and Related Strands ★

Course Code	Course Name	Course Mark
FIRST PERIOD		
CON1010	Basic Tools & Materials	
DES1010	Sketch, Draw and Model	
CON1120	Project Management	
CON1130	Solid Stock Construction	
FAB1090	Sheet Fabrication 1 (Hand Processes)	
CTR1210	Personal Safety (Management)	
FOR2070	Harvesting Practices (Harvest/Processing)	
CON1160	Manufactured Materials	
CON2120	Multiple Materials	
FAB2020	Print Reading	
CON2130	Furniture Making 1 (Box Construction)■	
CON2140	Furniture Making 2 (Frame and Panel)■	
CON2160	Cabinetmaking 1 (Web & Face Frame)■	
CON2170	Cabinetmaking 2 (Door & Drawer)■	
CTR2130	Project 2C (Practical Skill Development)■	
CTR2140	Project 2D (Practical Skill Development)■	
CTR2150	Project 2E (Practical Skill Development)■	
CON2190	Manufacturing Systems■	
CON2200	Product Development■	
CON3190	Production Planning■	
CON3200	Production Management■	
CON3120	Tool Maintenance■	
CTR3130	Project 3C (Practical Skill Development)■	
CTR3140	Project 3D (Practical Skill Development)■	
CTR3040	Practicum A (Explosive Actuated Tools)■	
SECOND PERIOD		
CON1140	Turning Operations	
CON2150	Wood Forming■	
CON2160	Finishing & Refinishing■	
DES2050	Technical Drawing Applications■	
CON3060	Doors & Trim■	
CON3130	Furniture Making 3 (Leg & Rail)■	
CON3140	Furniture Making 4 (Surface Enhancement)■	
CON3160	Cabinetmaking 3 (Counter/Cabinet Tops)■	
CON3150	Furniture Repair■	
CTR3150	Project 3E (Practical Skill Development)■	

■ Courses that must be delivered and assessed by a journeyman cabinetmaker.

Part B: Verification and Sign-off

Number of Courses Successfully Completed: _____
 Date Issued: _____
 Journeyman Instructor's Signature: _____
 Journeyman Certificate No.: _____
 Supervising Teacher's Signature: _____
 Principal's Signature: _____

★ For a detailed description of CTS courses, see the appropriate *Guide to Standards and Implementation* available for purchase from the Learning Resources Distributing Centre, or for viewing and downloading from the CTS web site.

Apprenticeship Articulation Agreement: Carpenter Trade Student Information and Sign-off Form

Based on an articulation agreement established with the Apprenticeship and Industry Training Division:

- students who successfully complete 25 required CTS courses related to the Carpenter trade may be credited, upon successfully challenging the appropriate theory and practical examinations, with the first period of formal instruction. Logged hours earned within the industry toward the trade may also be credited upon the recommendation of the employer.

Additional terms of the agreement require that:

- required CTS courses identified with a ■ must be delivered and assessed by a journeyman carpenter
- following the completion of each semester/school term, marks consistent with those reported to Alberta Learning be entered on this form for those courses identified to the right that were successfully completed by the student
- upon successful completion of an accredited CTS carpenter program, Part B of this form be completed by the supervising teacher, journeyman and principal, verifying successful completion of all required courses.

Advanced standing in the apprenticeship program for Carpenter will not be granted unless all requirements for program delivery, reporting of achievement and verification/sign-off as outlined in this agreement have been met. Students eligible for advanced standing through the terms of this agreement will be required to produce this form at the time of making application to enter an apprenticeship contract.

Required CTS Courses in Construction Technologies and Related Strands ★

Course Code	Course Name	Course Mark
FIRST PERIOD		
CON1010	Basic Tools & Materials	
CON1070	Building Construction	
DES1010	Sketch, Draw & Model	
CON1120	Project Management	
CON1130	Solid Stock Construction	
CON1160	Manufactured Materials	
CON2120	Multiple Materials	
CON2130	Furniture Making 1 (Box Construction) ■	
CON2160	Cabinetmaking 1 (Web & Face Frame) ■	
CON2170	Cabinetmaking 2 (Door & Drawer) ■	
FAB2010	Structural Engineering	
FAB2020	Print Reading	
CON2010	Site Preparation ■	
CON2020	Concrete Forming ■	
CTR2110	Project 2A (Concrete Forming and Placing) ■	
CON2040	Framing Systems 1 (Floor & Wall) ■	
CON2050	Roof Structures 1 (Framing & Finishing) ■	
CON3080	Energy-efficient Housing ■	
CON3010	Concrete Work (Structures & Finishes) ■	
CON3100	Commercial Structures ■	
CON3110	Site Management ■	
CON3120	Tool Maintenance ■	
CTR2120	Project 2B (Practical Work) ■	
CTR3110	Project 3A (Practical Work) ■	
CTR3040	Practicum A (Explosive Actuated Tools) ■	

■ Courses that must be delivered and assessed by a journeyman carpenter.

Part A: Student and School Information

Student: _____
 School: _____
 School Telephone: _____
 Supervising Teacher: _____
 Journeyman Instructor: _____

Part B: Verification and Sign-off

Number of Courses Successfully Completed: _____
 Date Issued: _____
 Journeyman Instructor's Signature: _____
 Journeyman Certificate No.: _____
 Supervising Teacher's Signature: _____
 Principal's Signature: _____

★For a detailed description of CTS courses, see the appropriate *Guide to Standards and Implementation* available for purchase from the Learning Resources Distributing Centre, or for viewing and downloading from the CTS web site.

Apprenticeship Articulation Agreement: Cook Trade Student Information and Sign-off Form

Based on an articulation agreement established with the Apprenticeship and Industry Training Division:

- students who successfully complete 17 required CTS courses related to the Cook trade may be credited, upon successfully challenging the appropriate theory examinations, with the first period of formal instruction. Paid hours earned within the industry toward the trade may also be credited upon the recommendation of the employer
- students who successfully complete 30 required CTS courses related to the Cook trade may be credited, upon successfully challenging the appropriate theory examinations, with the first and second periods of formal instruction and 450 hours of on-the-job training. Additional logged hours earned within the industry toward the trade may also be credited upon the recommendation of the employer.

Additional terms of the agreement require that:

- all required CTS courses must be delivered and assessed by a journeyman cook
- in order to challenge the first period examination, candidates must possess a Food Safe Provincial Certificate
- following the completion of each semester/school term, marks consistent with those reported to Alberta Learning be entered on this form for those courses identified to the right that were successfully completed by the student
- upon successful completion of an accredited CTS cook program, Part B of this form be completed by the supervising teacher, journeyman and principal, verifying successful completion of all required courses.

Advanced standing in the apprenticeship program for Cook will not be granted unless all requirements for program delivery, reporting of achievement and verification/sign-off as outlined in this agreement have been met. Students eligible for advanced standing through the terms of this agreement will be required to produce this form at the time of making application to enter an apprenticeship contract.

Part A: Student and School Information

Student: _____
 School: _____
 School Telephone: _____
 Supervising Teacher: _____
 Journeyman Instructor: _____

Required CTS Courses in Foods and Related Strands ★

Course Code	Course Name	Course Mark
FIRST PERIOD		
FOD1010	Food Basics	
FOD1020	Baking Basics	
FOD1050	Fast & Convenience Foods	
FOD1060	Canadian Heritage Foods	
FOD2010	Food & Nutrition Basics	
FOD2040	Cake & Pastry	
FOD2050	Yeast Breads & Rolls	
FOD2060	Milk Products & Eggs	
FOD2070	Stocks, Soups & Sauces	
FOD2080	Vegetables/Fruits/Grains	
FOD2090	Creative Cold Foods	
FOD2100	Basic Meat Cookery	
FOD2110	Fish & Poultry	
FOD2130	Vegetarian Cuisine	
FOD2150	Food Safety & Sanitation ◆	
FOD2170	International Cuisine 1	
FOD3090	Basic Meat Cutting	
SECOND PERIOD		
CTR2110	Project 2A (Canadian Heritage Foods)	
CTR2120	Project 2B (Food & Nutrition Basics)	
CTR3110	Project 3A (Vegetables/Fruits/Grains)	
CTR3120	Project 3B (Fish & Poultry)	
FOD3030	Creative Baking	
FOD3040	Advanced Yeast Products	
FOD3050	Advanced Soups & Sauces	
FOD3060	Food Presentation	
FOD3070	Short Order Cooking	
FOD3080	Advanced Meat Cookery	
FOD3100	Entertaining with Food	
FOD3110	Food Processing	
FOD3140	International Cuisine 2	

◆ Certification requirement.

Part B: Verification and Sign-off

Number of Courses Successfully Completed: _____

Date Issued: _____

Journeyman Instructor's Signature: _____

Journeyman Certificate No.: _____

Supervising Teacher's Signature: _____

Principal's Signature: _____

★ For a detailed description of CTS courses, see the appropriate *Guide to Standards and Implementation* available for purchase from the Learning Resources Distributing Centre, or for viewing and downloading from the CTS web site.

Apprenticeship Articulation Agreement: Electrician Trade Student Information and Sign-off Form

Based on an articulation agreement established with the Apprenticeship and Industry Training Division:

- students who successfully complete the 25 required CTS courses identified to the right may be credited, upon successfully challenging the appropriate theory and practical examinations, with the first period of formal instruction in the apprenticeship program for Electrician. Logged hours earned within the industry toward the electrician trade may also be credited upon the recommendation of the employer.

Additional terms of the agreement require that:

- required CTS courses identified with a ■ must be delivered and assessed by a journeyman electrician
- following the completion of each semester/school term, marks consistent with those reported to Alberta Learning be entered on this form for those courses identified to the right that were successfully completed by the student
- upon successful completion of an accredited CTS electrician program, Part B of this form be completed by the supervising teacher, journeyman and principal, verifying successful completion of all required courses.

Advanced standing in the apprenticeship program for Electrician will not be granted unless all requirements for program delivery, reporting of achievement and verification/sign-off as outlined in this agreement have been met. Students eligible for advanced standing through the terms of this agreement will be required to produce this form at the time of making application to enter an apprenticeship contract.

Required CTS Courses in Electro-Technologies and Related Strands*

Course Code	Course Name	Course Mark
FIRST PERIOD		
MEC1090	Electrical Fundamentals	
ELT1010	Electro-assembly 1	
ELT1030	Conversion & Distribution	
ELT1080	Control Systems 1	
ELT1110	Security Systems 1	
CTR1110	Project 1A (Practical Work/Skill Development)	
FAB2020	Print Reading	
CON2070	Electrical Systems ■	
ELT2010	Electro-assembly 2 ■	
ELT2020	Electrical Servicing ■	
ELT2030	Branch Circuit Wiring ■	
DES2050	Technical Drawing Applications ■	
ELT2080	Control Systems 2 ■	
MEC2090	Electrical Components ■	
ELT2110	Security Systems 2 ■	
ELT2120	Electro-optics ■	
ELT2130	Magnetic Control Devices ■	
CTR2110	Project 2A (Practical Work/Skill Development) ■	
ELT3030	Power Systems & Services ■	
ELT3040	Generation/Transformation ■	
ELT3140	Motors ■	
ELT3160	Control Applications ■	
CTR3040	Practicum A (Explosive Actuated Tools) ■	
CTR3110	Project 3A (Practical Work/Skill Development) ■	
CTR3120	Project 3B (Practical Work/Skill Development) ■	

■ Courses that must be delivered and assessed by a journeyman electrician.

Part A: Student and School Information

Student: _____

School: _____

School Telephone: _____

Supervising Teacher: _____

Journeyman Instructor: _____

Part B: Verification and Sign-off

Number of Courses Successfully Completed: _____

Date Issued: _____

Journeyman Instructor's Signature: _____

Journeyman Certificate No.: _____

Supervising Teacher's Signature: _____

Principal's Signature: _____

★For a detailed description of CTS courses, see the appropriate *Guide to Standards and Implementation* available for purchase from the Learning Resources Distributing Centre, or for viewing and downloading from the CTS web site.

Apprenticeship Articulation Agreement: Electronic Technician Trade Student Information and Sign-off Form

Based on an articulation agreement established with the Apprenticeship and Industry Training Division:

- students who successfully complete the 25 required CTS courses identified to the right and earn a minimum of three credits in Work Experience or RAP courses in the electronic technician trade may be credited, upon successfully challenging the appropriate theory and practical examinations, with the first period of formal instruction and at least 75 hours of on-the-job training; i.e., 25 hours for each Work Experience credit earned. Additional logged hours earned within the industry may be credited upon the recommendation of the employer.

Additional terms of the agreement state that:

- required CTS courses identified with a ■ must be delivered and assessed by a journeyman electronic technician or certified electronic engineering technologist
- required CTS courses identified with a ♦ must be delivered and assessed by a journeyman electronic technician in a real or simulated workplace environment
- Registered Apprenticeship Program (RAP) hours worked are automatically credited toward an apprenticeship and will not be credited twice
- following the completion of each semester/school term, marks consistent with those reported to Alberta Learning be entered on this form for those courses identified to the right that were successfully completed by the student
- upon successful completion of an accredited CTS electronic technician program, Part B of this form be completed by the supervising teacher, journeyman and principal, verifying successful completion of all required courses.

Advanced standing in the apprenticeship program for Electronic Technician will not be granted unless all requirements for program delivery, reporting of achievement and verification/sign-off as outlined in this agreement have been met. Students eligible for advanced standing through the terms of this agreement will be required to produce this form at the time of making application to enter an apprenticeship contract.

Part A: Student and School Information

Student: _____
 School: _____
 School Telephone: _____
 Supervising Teacher: _____
 Journeyman Instructor: _____

Required CTS Courses in Electro-Technologies and Related Strands*

Course Code	Course Name	Course Mark
FIRST PERIOD		
MEC1090	Electrical Fundamentals	
ELT1010	Electro-assembly 1	
ELT1030	Conversion & Distribution	
ELT1050	Electronic Power Supply 1 ■	
ELT1080	Control Systems 1 ■	
ELT1090	Analog Communication 1 ■	
ELT1100	Electronic Communication ■	
ELT1110	Security Systems 1 ■	
ELT2010	Electro-assembly 2 ■	
ELT2020	Electrical Servicing ♦	
ELT2050	Electronic Power Supply 2 ■	
ELT2080	Control Systems 2 ■	
ELT2090	Analog Communication 2 ■	
ELT2100	Radio Communication ■	
CTR2110	Project 2A (Basic Electronics Lab) ■	
CTR2120	Project 2B (Basic Electronics Lab) ■	
CTR2130	Project 2C (Basic Electronics Lab) ■	
ELT3010	Electro-assembly 3 ♦	
ELT3020	Electronic Servicing ♦	
ELT3100	Analog Communication 3 ■	
ELT3110	Amplifiers ■	
ELT3140	Motors ■	
CTR3110	Project 3A (Basic Electronics Lab) ■	
CTR3120	Project 3B (Basic Electronics Lab) ■	
CTR3130	Project 3C (Basic Electronics Lab) ■	

- Courses that must be delivered and assessed by a journeyman electronic technician or certified electronic engineering technologist.
- ♦ Courses that must be delivered and assessed by a journeyman electronic technician in a real or simulated workplace environment.

Part B: Verification and Sign-off

Number of Courses Successfully Completed: _____
 Date Issued: _____
 Journeyman Instructor's Signature: _____
 Journeyman Certificate No.: _____
 Supervising Teacher's Signature: _____
 Principal's Signature: _____

*For a detailed description of CTS courses, see the appropriate *Guide to Standards and Implementation* available for purchase from the Learning Resources Distributing Centre, or for viewing and downloading from the CTS web site.

Apprenticeship Articulation Agreement: Hairstylist Trade Student Information and Sign-off Form

Based on an articulation agreement established with the Apprenticeship and Industry Training Division:

- students who successfully complete 35 required CTS courses related to the Hairstylist trade may be credited, upon successfully challenging the appropriate theory examinations, with the first period of formal instruction and 525 hours of on-the-job training credits toward the first period of apprenticeship
- students who successfully complete 55 required CTS courses related to the Hairstylist trade may be credited, upon successfully challenging the appropriate theory and practical examinations, with the first and second periods of formal instruction and 700 hours of on-the-job training credits toward the first period of apprenticeship.

Additional terms of the agreement require that:

- instruction be provided in accordance with the journeyman certification requirements defined for each course in the course parameters section of the appropriate CTS *Guide to Standards and Implementation*
- following the completion of each semester/school term, marks consistent with those reported to Alberta Learning be entered on this form for those courses identified to the right that were successfully completed by the student
- upon successful completion of an accredited CTS hairstylist program, Part B of this form be completed by the supervising teacher, journeyman and principal, verifying successful completion of all required courses.

Advanced standing in the apprenticeship program for Hairstylist will not be granted unless all requirements for program delivery, reporting of achievement and verification/sign-off as outlined in this agreement have been met. Students eligible for advanced standing through the terms of this agreement will be required to produce this form at the time of making application to enter an apprenticeship contract.

Part A: Student and School Information

Student: _____
 School: _____
 School Telephone: _____
 Supervising Teacher: _____
 Journeyman Instructor: _____

Part B: Verification and Sign-off

Number of Courses Successfully Completed: _____
 Date Issued: _____
 Journeyman Instructor's Signature: _____
 Journeyman Certificate No.: _____
 Supervising Teacher's Signature: _____
 Principal's Signature: _____

Required CTS Courses in Cosmetology Studies and Related Strands ★

Course Code	Course Name	Course Mark
COS1010	Personal Images ♦	
COS1020	Hair Graphics 1 ♦	
COS1030	Hair & Scalp Care 1 ♦	
COS1040	Forming & Finishing 1 ♦	
COS1050	Permanent Waving 1 (The Physical Process) ♦	
COS1060	Skin Care 1 (Basic Practices) ♦	
COS1070	Manicuring 1 ♦	
COS2010	Hair Graphics 2 ♦	
COS2020	Hair & Scalp Care 2 ♦	
COS2030	Forming & Finishing 2 ♦	
COS2040	Haircutting 1 ♦	
COS2050	Hair Care & Cutting 1 (Client Services) ♦	
COS2060	Permanent Waving 2 (Cold Waving) ♦	
COS2070	Permanent Waving 3 (Heat-assisted) ♦	
COS2080	Permanent Waving 4 (Client Services) ♦	
COS2090	Colouring 1 ♦	
COS2100	Colour Removal 1	
COS2110	Colouring & Removal 1 (Client Services)	
COS2120	Facials & Makeup 1 ♦	
COS2130	Facials & Makeup 2 (Client Services) ♦	
COS2140	Skin Care 2 (Client Services)	
COS2150	Manicuring 2 ♦	
COS2170	Manicuring 3 (Client Services) ♦	
COS2180	Hairpieces & Extensions ♦	
COS2210	Sales & Service 1 (Principles & Practices) ♦	
DES1020	The Design Process ♦	
COS3010	Professional Practices ♦	
COS3020	Long Hair Graphics ♦	
COS3030	Hair & Scalp Care 3 ♦	
COS3040	Hair & Scalp Care 4 (Client Services) ♦	
COS3050	Haircutting 2 ♦	
COS3060	Haircutting 3 (Client Services) ♦	
COS3070	Hair Care & Cutting 2 (Client Services) ♦	
COS3080	Permanent Waving 5 (Designer)	
COS3090	Relax/Straighten Hair ♦	
COS3100	Wave, Relax & Straighten Hair (Client Services) ♦	
COS3110	Colouring 2 (Permanent) ♦	
COS3120	Colour Removal 2	
COS3130	Colouring & Removal 2 (Client Services)	
COS3140	Body Therapy	
COS3150	Hair Removal	
COS3160	Skin Care 3 (Client Services)	
COS3170	Male Facial Grooming 1 ♦	
COS3180	Male Facial Grooming 2 (Client Services)	
COS3190	Nail Technology	
COS3200	Pedicuring	
COS3220	Wigs & Toupees	
COS3230	Hair Goods (Client Services)	
COS3260	Facial & Body Adornment	
COS3270	Creative Cosmetology	
ENT1010	Challenge & Opportunity ♦	
ENT1020	Planning a Venture	
ENT2010	Analyzing Ventures	
ENT2040	Implementing the Venture	
ENT3010	Managing the Venture	

- ♦ Indicates the 35 required courses for credit toward first period training; all of the 55 required courses identified above must be completed for credit toward first and second period training.

★ For a detailed description of CTS courses, see the appropriate *Guide to Standards and Implementation* available for purchase from the Learning Resources Distributing Centre, or for viewing and downloading from the CTS web site.

Apprenticeship Articulation Agreement: Outdoor Power Equipment Technician (Marine, Power, Recreation or Turf) Trade Student Information And Sign-Off Form

Based on an agreement established with the Apprenticeship and Industry Training Division, students who successfully complete 20 required CTS courses related to the mechanics of internal combustion powered outdoor equipment may be credited, upon successfully challenging the appropriate theory examinations, with the first period of formal instruction for the outdoor Power equipment Technician (OPET) trade. Logged hours earned within the industry toward the trade may also be credited upon the recommendation of the employer.

Terms of the Agreement

- The required CTS courses must be delivered and assessed by a qualified instructor, technician, or journeyman in any of the Agricultural Equipment Technician, Automotive Service Technician, Heavy Equipment Technician, Motorcycle Mechanic or Outdoor Power Equipment Technician trades.
- The supervising certified teacher(s), qualified instructor(s) and school principal responsible for the program must verify the successful completion of all the required courses listed on this form.
- Candidates will be eligible to challenge the first period theory examination and receive apprenticeship program accreditation upon presentation of this completed form and proof of trade entrance education requirements.
- All accreditation recommendations such as this one for CTS are subject to final approval by the employer who signs the apprenticeship contact.

Advanced standing in the apprenticeship program for OPET will not be granted unless all requirements for program delivery, reporting of achievement and verification/sign-off as outlined in this agreement have been met. Students eligible for advanced standing through the terms of this agreement will be required to produce this form at the time of making application to enter an apprenticeship contract.

Required CTS Courses in the Mechanics Strand*

Course Code	Course Name	Course Mark
FIRST PERIOD		
MEC2030	Lubrication and Cooling	
MEC2040	Fuel and Exhaust Systems	
MEC2050	Alternate Fuel Systems	
MEC2060	Ignition Systems	
MEC2070	Emission Controls	
MEC2090	Electrical Components	
MEC2100	Power Assist Accessories	
MEC2110	Braking Systems	
MEC2120	Hydraulic Accessories	
MEC2130	Drive Trains	
MEC2140	Transmissions/Transaxles	
MEC2150	Suspension Systems	
MEC2160	Steering Systems	
MEC3030	Engine Diagnosis	
MEC3040	Engine Tune-up	
MEC3060	Ending Reconditioning 1	
MEC3070	Ending Reconditioning 2	
MEC3120	Power Assisting	
MEC3140	Drive Train Repair	
MEC3150	Wheel Alignment	

Part A: Student and School Information

Student: _____

School: _____

School Telephone: _____

Qualified Instructor/Technician/Journeyman: _____

Supervising Teacher (if not the qualified instructor): _____

Part B: Verification and Sign-Off

Number of Courses Successfully Completed: _____

Date Issued: _____

Qualified Instructor's Signature: _____

Journeyman Certificate No. (if applicable): _____

Supervising Teacher's Signature: _____

Principal's Signature: _____

*For a detailed description of CTS courses, see the appropriate *Guide to Standards and Implementation* available for purchase from the Learning Resources Centre, or for viewing and downloading through the CTS section of the Alberta Learning Web site.

Apprenticeship Articulation Agreement: Warehousing Occupation Program Options for CTS Students

Based on articulation agreements established with the Apprenticeship and Industry Training Division, the following program options are available to CTS students who wish to qualify for Warehousing Basic, Warehousing Intermediate and/or Warehousing Technician occupational certificates.

Warehousing Basic

The candidate will:

- have Grade 10 education or equivalent and employment in the occupation
- satisfactorily complete a minimum of 1500 hours and 12 months of work experience in the occupation
- successfully complete the following CTS Logistics courses* in lieu of Warehousing Basic Module 1
 - LOG1010: Logistics
 - LOG1020: Warehouse and Distribute 1
- successfully complete the following CTS Logistics courses* in lieu of Warehousing Basic Module 4
 - LOG2010: Warehouse and Distribute 2
 - LOG3010: Warehouse and Distribute 3
- successfully complete Warehousing Basic Modules 2, 3, 5, 6 and 7.

Warehousing Intermediate

The candidate will

- qualify for the Warehousing Intermediate occupational certificate
- have Grade 10 education or equivalent and employment in the occupation
- satisfactorily complete a minimum of 1500 hours and 12 months of work experience in the occupation
- successfully complete the following CTS Logistics courses* in lieu of Warehousing Intermediate Module 8
 - LOG1030: Traffic and Transport 1
 - LOG2020: Traffic and Transport 2
 - LOG3020: Traffic and Transport 3
- successfully complete Warehousing Intermediate Modules 9, 10, 11, 12 and 13.

Warehouse Technician

The candidate will

- qualify for the Warehousing Intermediate occupational certificate
- have Grade 10 education or equivalent and employment in the occupation
- satisfactorily complete a minimum of 1500 hours and 12 months of work experience in the occupation
- successfully complete the following CTS Logistics courses* in lieu of Warehousing Technician Module 15
 - LOG1040: Purchasing 1
 - LOG2030: Purchasing 2
 - LOG3030: Purchasing 3
- successfully complete the following CTS Logistics courses* in lieu of Warehousing Technician Module 16
 - LOG2040: Inventory Management 1
 - LOG3040: Inventory Management 2
- successfully complete Warehousing Technician Modules 14, 17, 18, 19 and 20.

* For a detailed description of CTS courses, see the appropriate *Guide to Standards and Implementation* available for purchase from the Learning Resources Centre, or for viewing and downloading through the CTS section of the Alberta Learning Web site.

Apprenticeship Articulation Agreement: Welder Trade Student Information and Sign-off Form

Based on an agreement established with the Apprenticeship and Industry Training Division:

- students who successfully complete 28 required CTS courses related to the Welder trade may be credited, upon successfully challenging the appropriate theory and practical examinations, with the first period of formal instruction. Logged hours earned within the industry toward the trade may also be credited upon the recommendation of the employer

Additional terms of the agreement require that:

- required CTS courses identified with a ■ must be delivered and assessed by a journeyman automotive service technician
- following the completion of each semester/school term, marks consistent with those reported to Alberta Learning be entered on this form for those courses identified to the right that were successfully completed by the student
- upon successful completion of an accredited CTS electrician program, Part B of this form be completed, verifying successful completion of all required courses by the supervising teacher, journeyman electrician and principal.

Advanced standing in the apprenticeship program for Welder will not be granted unless all requirements for program delivery, reporting of achievement and verification/sign-off as outlined in this agreement have been met. Students eligible for advanced standing through the terms of this agreement will be required to produce this form at the time of making application to enter an apprenticeship contract.

Part A: Student and School Information

Student: _____
 School: _____
 School Telephone: _____
 Supervising Teacher: _____
 Journeyman Instructor: _____

Required CTS Courses in Fabrication Studies and Related Strands ★

Course Code	Course Name	Course Mark
FIRST PERIOD		
CON1010	Basic Tools & Materials	
FAB1040	Oxyacetylene Welding	
FAB1050	Basic Electric Welding	
FAB1048	Semi-automated/Automated Welding	
FAB1110	Bar & Tubular Fabrication	
FAB1100	Fabrication Principles	
FAB2020	Print Reading	
FAB2030	Oxyfuel Welding ■	
FAB2040	Thermal Cutting ■	
FAB2050	Arc Welding 1 ■	
FAB2060	Arc Welding 2 ■	
FAB2070	Gas Metal Arc Welding 1 ■	
FAB2048	Flux Core Arc Welding 1 ■	
FAB2160	Custom Fabrication ■	
CTR2110	Project 2A (Practical Work) ■	
CTR2120	Project 2B (Practical Work) ■	
FAB3020	Metallurgy Fundamentals	
FAB3050	Arc Welding 3 ■	
FAB3060	Arc Welding 4 ■	
FAB3170	Gas Metal Arc Welding 2 ■	
FAB3048	Flux Core Arc Welding 2 ■	
FAB3070	Pipe & Tubular Welding ■	
FAB3040	Specialized Welding ■	
FAB3160	Prefabrication Principles ■	
CTR3110	Project 3A (Practical Work) ■	
CTR3120	Project 3B (Practical Work) ■	
DES1010	Sketch, Draw & Model	
DES2040	Drafting/Design Applications	

- Courses that must be delivered and assessed by a journeyman welder.

Part B: Verification and Sign-Off

Number of Courses Successfully Completed: _____
 Date Issued: _____
 Journeyman Instructor's Signature: _____
 Journeyman Certificate No.: _____
 Supervising Teacher's Signature: _____
 Principal's Signature: _____

★For a detailed description of CTS courses, see the appropriate *Guide to Standards and Implementation* available for purchase from the Learning Resources Centre, or for viewing and downloading through the CTS section of the Alberta Learning Web site.

Pages 319 to 326 (Revised 1999) have been deleted and replaced with new pages 318, 319 and 320 (Revised 2003).

