



Third Period Technical Training

- Carpenter -

(8 Weeks @ 30 Hours per Week = 240 hours)

Carpentry Instructors:

Craig Cail – Chair

*Office CC117

780-715-3902

Craig.Cail@keyano.ca

Kevin Breen - Instructor

780-791-4906

Kevin.Breen@keyano.ca

Adrian Houston – Instructor

780-791-4815

Adrian.Houston@keyano.ca

Office Hours:

Monday through Friday: 8:00am - 4:00pm

Course Description:

In the Third Period Technical Training you will learn about:

1. Concrete and Building Layout.
2. Commercial Form Work.
3. Commercial Interiors and Exteriors.
4. Commercial Estimating and Drawing Interpretation.

Required Textbooks: (available at Keyano College Bookstore approximately 2 weeks prior to start date)

Second Period Carpenter Apprenticeship ILMs

Alberta Learning

Edmonton: Author, 1998–, SKU 2000301

Carpenter Program Supplies (Required for all periods):

- T-square, 600mm or longer
- Drafting Triangles 30/60/90⁰, 45/90⁰
- Metric scale ruler
- Mechanical pencil (0.5 mm), erasers
- Calculator – Instructor will advise on which brand to purchase
- CSA approved safety boots
- CSA approved Safety Goggles with side shields

Learning Outcomes

Upon successful completion of Section One – *Concrete and Building Layout* - you will be able to

1. Apply safe work practices on commercial and industrial construction sites.
2. Assemble scaffold systems.
3. Describe the mix design of concrete.
4. Describe methods of transporting and placing concrete.
5. Describe concrete finishing, curing and toppings.
6. Describe the purpose of concrete joints and reinforcement.
7. Describe pre-stressed, precast and tilt-up construction and erection procedures.
8. Use survey equipment for building layout.

Upon successful completion of Section Two – *Commercial Form Work* - you will be able to

1. Describe foundation types used in commercial and industrial construction.
2. Construct concrete wall and column formwork.
3. Construct suspended slab formwork.
4. Construct concrete stair formwork.

Upon successful completion of Section Three – *commercial Interiors and Exteriors* - you will be able to

1. Install interior metal fabricated products.
2. Install commercial doors and windows.
3. Describe types of commercial exteriors and the layout and construction of arch support templates used for masonry exteriors.
4. Prepare a commercial building rood for roofing installers.
5. Install fire and sound rated assemblies, thermal insulations and sealants.
6. Install fasteners and anchors used in commercial construction.
7. Construct heavy timber buildings.
8. Construct commercial interior millwork.

Upon successful completion of Section Four – *Commercial Estimating and Drawing Interpretation* - you will be able to

1. Develop orthographic and pictorial drawings.
2. Interpret a set of commercial drawings.
3. Develop material takeoffs for commercial concrete formwork.

4. Develop a material takeoff for concrete volume requirements of various components of a commercial building.
5. Calculate volumes for cut, fill and excavation requirements.
6. Calculate design dimensions and material requirements for concrete stairs.
7. Produce a material takeoff for an interior system in a commercial building.

Schedule

A detailed daily class / shop schedule will be handed out on the first day of each intake.

Grading

Your grade in this period will be based on:

Exams	70%
Labs / Shop Activities	30%
TOTAL	100%

Important Phone Numbers

- **Candace Trites, Administrative Assistant** **780-791-4881**
Call Candace if you are going to be absent from class or have any general questions or concerns.
- **Craig Cail, Carpentry Program Chair** **780-715-3902**
Call Craig if you have any concerns with class work, instructors, or if you require any type of academic accommodations.

Call your instructor if you need information about class work, schedules or if you need extra help to learn the material.
- **Suzanne Beveridge, Alberta AIT** **1-800-248-4823**
Call Suzanne if you have questions about attendance, apprenticeship, or your employer.
- **Security** **780-791-7911**
Call security if you feel threatened while on campus, to report a fire, if you need a door unlocked, or for parking issues.
- **Office of the Registrar**
 - **Registration Assistants** **780-791-4801**
Call this office if you have questions about fees/tuition or class availability.

IMPORTANT NOTICE

Information Regarding Fees and Procedures

If the address listed on your fee assessment sheets is different from your current address, or if your address changes anytime during the duration of your program, please go to the Student Services Centre and fill out the "Change of Address" form as Keyano College requires a current address for you at all times.

Your Student ID cards are available for pick up at the Office of the Registrar. Please have your Student ID # and photo identification available. Apprentices are required to pick up a new Student ID card every Academic Year.

For information on Awards/Bursaries, please contact the Student Services Center either in person or by phone at (780) 791-4894.

Keyano College is a paid parking facility. Parking passes can be purchased at the Cashier's Office when you go to pay your program fees.

Parking Fees: (2019-2020)

2 Weeks	\$12.87
1 Month	\$24.77
2 Months	\$39.63

Please ensure that when you are paying your program fees that you indicate to the Cashier whether or not you would like to purchase a parking pass. Unreserved, General Parking is available in lots A, B, E and F. Lots C and D are reserved staff parking. If you park in a reserved spot, you can be ticketed even if you have a hang tag or daily pass. Please see the campus map for locations of the parking lots.

Please Note:

- It is now your responsibility to submit your E.I. forms on your own time. (HRDC no longer comes to the college)
- You can submit your registration on-line <http://www100.hrdcdrhc.gc.ca/ae-ei/dem-app/english/home2.html>
- Or link from <http://www.servicecanada.gov.ca>

CLEARWATER CAMPUS MAP

For classroom MAPS please refer to
SAKC STUDENT HANDBOOK

