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.

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 30/60/90°, 45/90°
- 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.

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 roof 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.

**Grading**
Your grade in this period will be based on:

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<tbody>
<tr>
<td>Exams</td>
<td>70%</td>
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<tr>
<td>Labs / Shop Activities</td>
<td>30%</td>
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<td><strong>TOTAL</strong></td>
<td><strong>100%</strong></td>
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**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