



Task Title: Refrigeration and Air Conditioning (RAC) Mechanic Career Exploration

OALCF Cover Sheet – Practitioner Copy

Learner Name: _____

Date Started: _____

Date Completed: _____

Successful Completion: Yes No

Goal Path: Employment Apprenticeship

Secondary School Post Secondary Independence

Task Description: The learner will explore the Refrigeration and Air Conditioning Systems Mechanic Trade by finding information in a Skilled Trades Ontario infographic.

Main Competency/Task Group/Level Indicator:

- Find and Use Information/Interpret documents/A2.2

Materials Required:


- Pen/pencil and paper and/or digital device

Task Title: RACMechanicExploration_EAS_A2.2


Learner Information

Researching a skilled trade can be an important step in planning a new career. Skilled Trades Ontario provides trades profiles that introduce you to each trade.

Scan the 2023 profiles for “Skilled Trades Ontario Refrigeration and Air Conditioning Systems Mechanic (313A)”.



Refrigeration and Air Conditioning Systems Mechanic (313A)



APPRENTICESHIP

Refrigeration and Air Conditioning Systems Mechanics install, maintain, repair and overhaul residential central air conditioning systems, commercial and industrial refrigeration and air conditioning systems and combined heating, ventilation, and cooling systems.

Experienced workers who have not completed an Ontario apprenticeship but have equivalent qualifications or experience in their trade can use the [Trade Equivalency Assessment Process](#).

Academic entry grade	Grade 10
On-the-job training	8,280 hours (approximately five years)
Technical training	720 hours (six months across three levels)
Required skills	Attention to detail, Innovation, Reliability, Problem solving

INCOME PROFILE

Annual Salary Range

\$61,000 - \$107,000

Source: Workforce Planning Ontario, Labour Market Insights Report 2023

Hourly Salary Range

\$31 - \$55

Source: Workforce Planning Ontario, Labour Market Insights Report 2023

WORKFORCE PROFILE

Highest Job Postings by Region

City of Ottawa	12%
Region of Peel	11%
City of Toronto	10%
Region of York	9%
County of Simcoe	8%
City of Hamilton	7%
Region of Waterloo	7%
All other regions	36%

Source: Workforce Planning Ontario, Labour Market Insights Report 2023

Job Postings by Area in Ontario

Source: Workforce Planning Ontario, Labour Market Insights Report 2023

Certificates of Qualification Issued by Age Group

Source: Skilled Trades Ontario 2023

Certificates of Qualification Issued by Gender

Source: Skilled Trades Ontario 2023

Certificates of Qualification Issued

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Source: Skilled Trades Ontario 2023

Work Sheet

Task 1: How many hours of on-the-job training are required for this trade?

Answer:

Task 2: Which three Ontario regions had the highest percentage of job postings in 2023?

Answer:

Task 3: Which age group had the highest percentage of certificates of qualification issued in 2023?

Answer:

Task 4: What percentage of certificates of qualification were issued to women in 2023?

Answer:

Task 5: What was the annual salary range for Refrigeration and Air Conditioning Systems Mechanics in 2023?

Answer:

Answers

Task 1: How many hours of on-the-job training are required for this trade?

Answer: 8,280 hours

Task 2: Which three Ontario regions had the highest percentage of job postings in 2023?

Answer: City of Ottawa, Region of Peel, City of Toronto

Task 3: Which age group had the highest percentage of certificates of qualification issued in 2023?

Answer: 18-30 years

Task 4: What percentage of certificates of qualification were issued to women in 2023?

Answer: less than 1%

Task 5: What was the annual salary range for Refrigeration and Air Conditioning Systems Mechanics in 2023?

Answer: \$61,000 - \$107,000

Performance Descriptors

Levels	Performance Descriptors	Needs Work	Completes task with support from practitioner	Completes task independently
A2.2	Performs limited searches using one or two search criteria			
	Extracts information from tables and forms			
	Locates information in simple graphs and maps			
	Makes connections between parts of documents			
	Makes low-level inferences			
	Begins to identify sources and evaluate information			

This task: Was successfully completed Needs to be tried again

Learner Comments:

Instructor (print):

Learner (print):
