

Wastewater Treatment

Operator Pre-Apprenticeship
TMACOG Wastewater Committee
May 22, 2019
Tammy Eilerman

HIRED
as
employee



Work with
MENTOR
or journey
person



ON THE
job
Training
2,000 hours



Becoming a
Water/Wastewater
APPRENTICE

EPA Class
1 Exam
passed

A+



RELATED
Instruction
144 hours



Wastewater Treatment Operator Apprenticeship

Time Based

Related Instruction (RI) >288 Contact hours

DOL
Journeyman

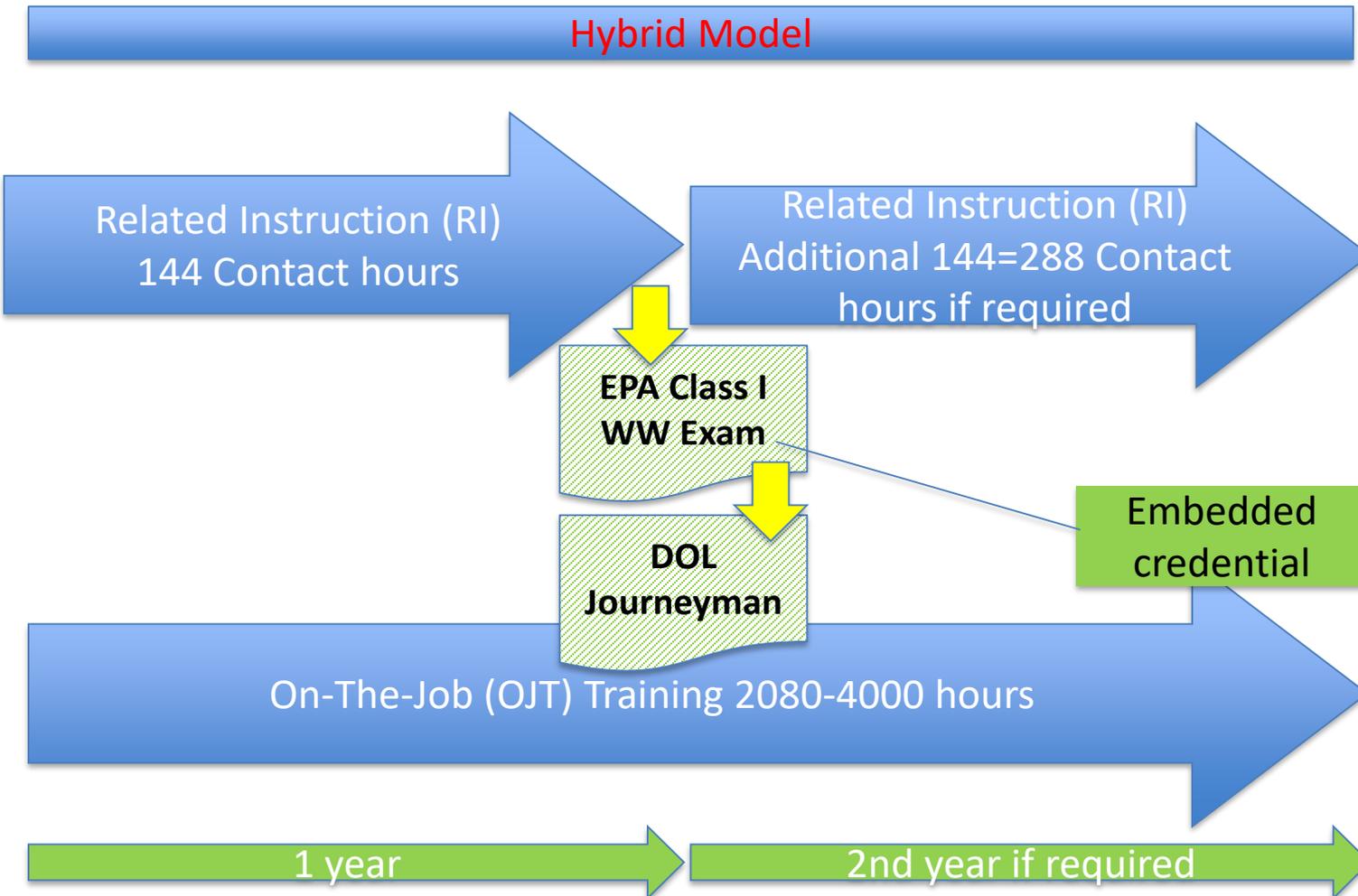
On-The-Job (OJT) Training >4000 hours

EPA Class I
WW Exam

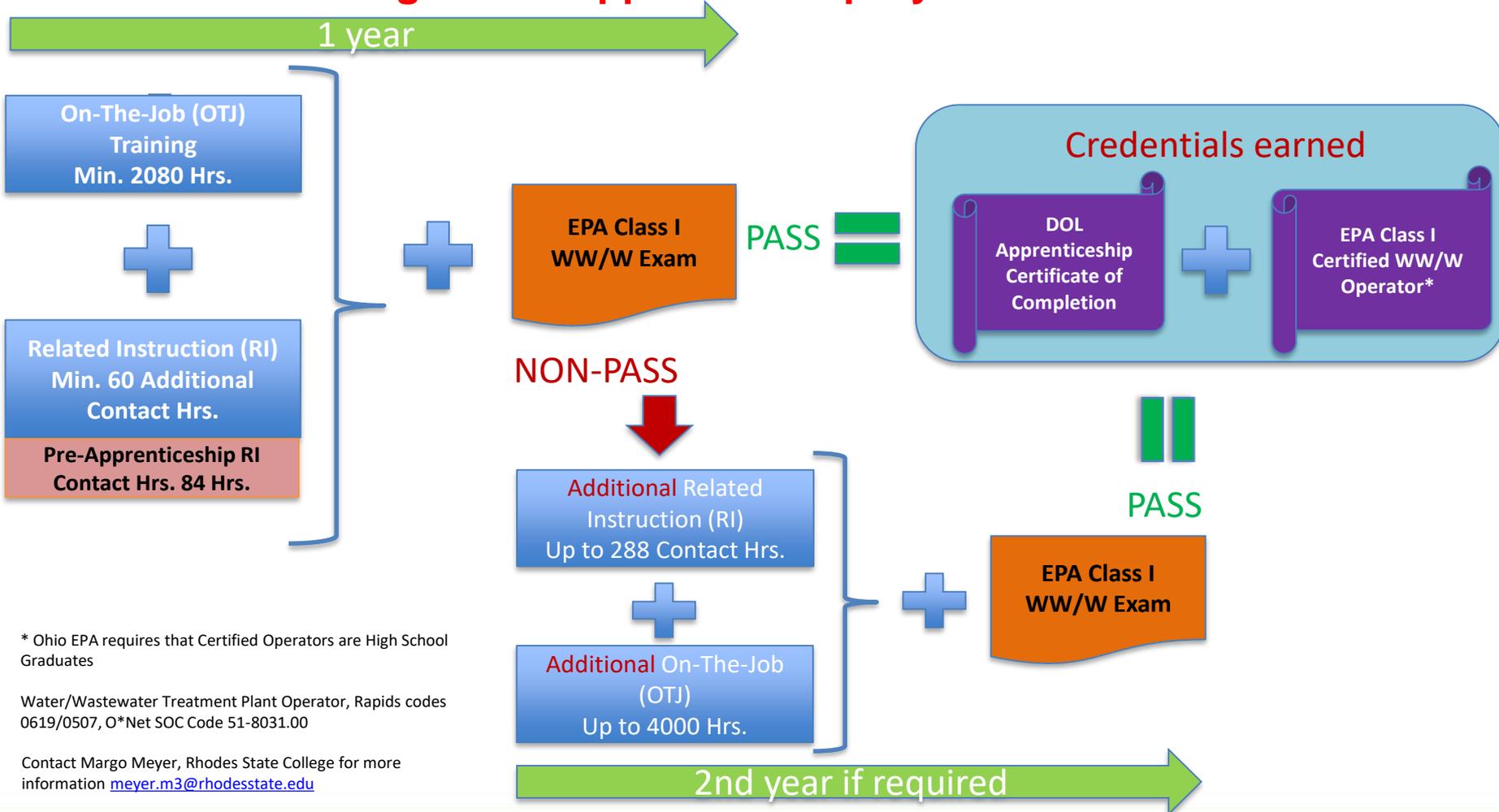
No embedded
credential

2 years

Wastewater Treatment Operator Apprenticeship



Department of Labor/Apprentice Ohio Wastewater/Water Operator Registered Apprenticeship Hybrid Model

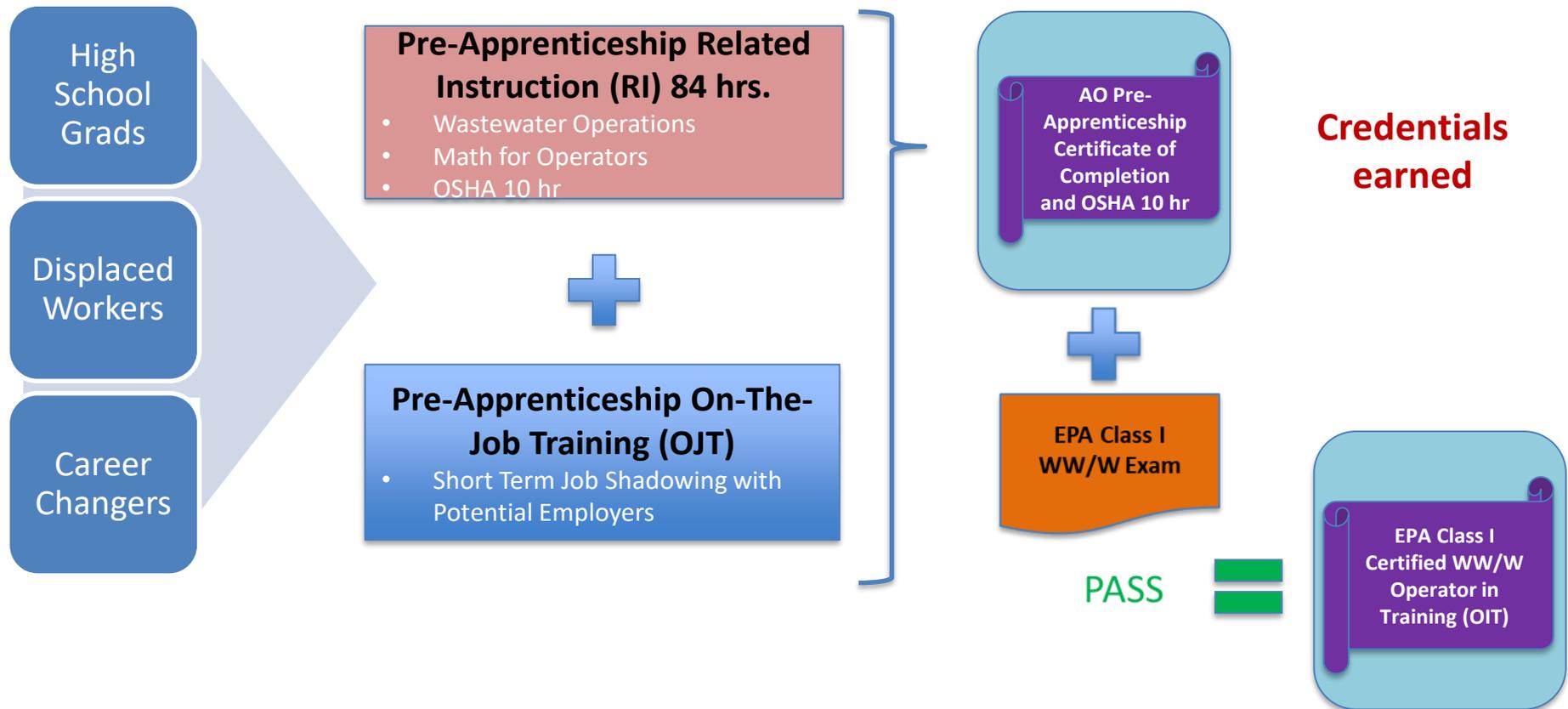


* Ohio EPA requires that Certified Operators are High School Graduates

Water/Wastewater Treatment Plant Operator, Rapids codes 0619/0507, O*Net SOC Code 51-8031.00

Contact Margo Meyer, Rhodes State College for more information meyer.m3@rhodesstate.edu

Apprentice Ohio (AO) Recognized Wastewater/Water Operator Pre-Apprenticeship Model



Pre-Apprenticeship Related Instruction

Pre-Apprenticeship Related Instruction (RI) 84 hrs.

- Wastewater Operations
- Math for Operators
- OSHA 10 hr

Wastewater Operations

BASIC WASTEWATER (14 Week Course X 3 hours/wk. = 42 hours)

The Basic Wastewater Course is for individuals interested in wastewater treatment plant operations that lack experience or background in wastewater treatment. Students will be exposed to the operation and maintenance procedures of a wastewater treatment facility, analyze and solve operational problems, operator responsibilities, contingency operating procedures, wastewater terms, and equipment.

Math for Operators

MATH FOR OPERATORS (14 weeks X 2.25 hours/wk. = 32 hours)

Math courses focused on mathematical skills required to do basic mathematical functions, conversions and use of formulas to teach and practice problem-solving skills in wastewater treatment.

Pre-Apprenticeship On-The-Job Training

Pre-Apprenticeship On-The-Job Training (OJT)

- Short Term Job Shadowing with Potential Employers
- Not required to be paid, but would be more attractive to candidates if paid
- Format and duration created by Cohort
- Suggestion: Rotation of job shadowing experiences with multiple employers



2019 WASTEWATER OPERATOR PRE-APPRENTICESHIP

"It is estimated 30 to 50% of the water/wastewater workforce nationwide could retire within the next 10 years. Wages for operators can vary from the entry level positions starting at \$40,000 to over \$100,000 per year depending on level of certification and experience."

- Steve Kayatin
Allen County Sanitary Engineer

The average hourly wage for an EPA Certified Class I Wastewater Operator in Ohio was

\$23.02

in 2017.

Ohio ranked in the top 5 states for the highest employment level of Wastewater Operators with a total of

4,860

positions state-wide.

INFORMATION SESSION

April 17, 2019

6:00pm - 8:00pm

Allen County Sanitary Engineer

3230 N. Cole St

Lima, OH 45801

PRE-APPRENTICESHIP DATES

June 10 - August 16

REGISTER NOW!

See back for more info.

Candidate Screening

- Complete pre-screening test with Ohio Means Jobs
- Provide a copy of resume
- Complete a Wastewater Operator Math pre-screening test

Candidate Selection

- 6 candidates selected as pre-apprentices
- Pre-apprentices work 3 days per week at one of the locations
- Pre-apprentices attend related instruction at Rhodes State College 2 days per week
- Program starts June 10, 2019

Next Steps

- \$2,500 Grant funding available for Rhodes State sponsored registered apprenticeship program
- Use this model for water operators or collections?
- Utilize RSC to outreach to students?
- Open House for potential candidates and parents?