# **Innovating Workforce Supply**

# Converting Rigid Pipelines to Mix & Match Training



**Ronald Cantor** 

President, Southern Maine Community College





# Seven Strong Decades

- 40 degree programs
- Business partnerships
- Non-credit training
- High volume, direct flow through pipelines



# Rust, Leaks, Plugs

- Pipelines trickle during boom!?!
- Short-term deals unsustainable
- Gigged training-gigged economy
- Beyond degrees, semesters, credits:Mix & match



### Innovation

- Program-to-industry pipelines
- Unprecedented flexibility
- Stackable training & credentials
- Soft / essential skills
- Puzzle pieces fit together later



# Construction Technology A.A.S.

### **Construction Technology**

Associate in Applied Science (A.A.S.) Degree & Certificate



The Construction Technology program provides technical and hands-on experience in residential construction, preparing its graduates for a rewarding career in the construction industry.

The construction field involves constantly changing technology in today's continuing search for more energy-efficient structures. Technically trained professionals with innovative ideas and the stills to apply these ideas and knowledge are needed to meet the challenges of noday's building industry. Related subjects such as point reading, framing, interior finishes and building science along with English composition and math provide readents with a well-rounded education, allowing them to obtain employment in a variety of positions within the construction industry or its related fields.

All students participate in framing and interior finishing projects in a lab setting that provide them with the knowledge and skills to succeed in the construction industry. All classes are conducted in an environment that prepares students for the expectations of future employers. Students will use a blower door, IR camera, moisture meter, and other energy tools to perform, evakaste and prepare a single-family home energy audit and report.

### What skills will I have as a graduate of this program?

- Use a variety of measuring tools to lay out a structure.

  Use a variety of measuring tools to lay out a structure.

  Set a bulder level laker level or untend and unalyse readings of the later level or untend and unalyse readings.

  Straighten and square finning.

  Lap out, out and event rafters for a variety of most rapies.

  Calculate framing, shorthing and noof coverings needed for a given recover.

  Jegion recover.

  Lap out, out and event rafters for a variety of most rapies.

  Literally different types of continue dreal

  Literally different types of ventilation needed for a most ready to the formation of Residents Odds.

  Lap out and build as intheir frame menutum and the structure within a building, building ventilation requirements as prescribed by the Immunitional Residents Odd.



For information regarding gainful employment, please visit www.snccME.edu/gainfulemployment.
In Calleas is an equal accomunity and affirmative action institution and employer. For more information please call 207-741-5798.



Beginner Workforce & Certificate of Readiness

# CONSTRUCTION INSTITUTE



Building Concepts & Leveling (30 hours/2 credits)

Construction & Tool Safety (OSHA 30) (30 hours/2 credit)

Print Reading (30 hours/2 credits)

Framing Methods (30 hours/2 credits)



Intermediate Workforce & College Certificate

# CONSTRUCTION CERTIFICATE



Construction Institute Courses (120 hours/8 credits)

Roof Framing (30 hours/2 credits)

Exterior Finishes (30 hours/2 credits)

Interior Finishes (30 hours/2 credits)

Building Science & Energy Auditing (45 hours/3 credits)

> FIG (15 hours/1 credit)

English Composition (45 hours/3 credits)

Math Elective (45 hours/3 credits)

Advanced Workforce & College Degree

# CONSTRUCTION DEGREE



Construction Institute Courses (120 hours/8 credits)

Construction Certificate
Courses (240 hours/16 credits)

Construction Electives (180 hours/12 credits)

Open Electives (135 hours/9 credits)

General Education Courses (240 hours/16 credits)



## Partners

- ☐ Contractors and trade orgs
- Maine Quality Centers
- ☐ High schools, CTEs
- ☐ Career Centers/DoL
- ☐ Immigrant Services/ESOL



### Results!

- New students quadrupled
- 20 graduated from 1st C.I.
- ☐ Reverse job fair; Now using new skills on the job
- ■9 pursuing degrees
  - ☐ 7 C.T.; 1 HVAC; 1 Elect. Tech.

