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# The new model is an outgrowth of the Iron Range Engineering model.



100% PBL

Equal Focus

- Technical
- Design
- Professional

Over 75  
Graduates  
Working in  
Northern MN

**The new model is an outgrowth of the Iron Range Engineering model.**



**Iron Range Engineering has been successful in developing an innovative model for engineering education.**

2017 – ABET Innovation  
Award Winners



2018 – MIT Report

Top 5 Emerging World Leaders  
in Engineering Education

**Why start the new IRE Bell program?**



# Motivations for starting the new IRE Bell Program.

1. Diversify the profession - Serve community college graduates and their regions from across America
2. Fiscal Sustainability
  - A. After startup, model is self-sustaining (requires no state funding to operate)
  - B. Students earn substantial wages during education, mitigating student debt
3. Capitalize on successes of IRE

# Reflection

## Q & A





# BELL PROGRAM



# 5 months at IRE in Engineering Apprenticeship. Then 2 years as apprentices in co-op placements.

**Program Credits**

32 Technical

16 Professional

12 Design

Bell Program

Supported in technical learning  
by professors

Community  
College

Apprentice  
Course

12 Credits

Engineering  
Co-op

24 Credits

Design  
Co-op

24 Credits

B.S.  
Degree

Supported in professional development by  
learning coaches and peers

# Q & A And Feedback

