

# Two-Year Leadership Panel

**Montana Board of Regents**  
**May 2024**

# MONTANA'S EDUCATION ENGINE



Rapid  
Non-credit  
Training

Transfer  
Education

Dual  
Enrollment &  
Secondary  
Pathways

Skilled  
Workforce  
Education

- System Wide Workforce Development
- Across the state two year and community colleges have 161 Associates of Applied Science Degrees and 133 Certificates
- Everything from Welding, Business, Bookkeeping, to Glass blowing, Goldsmithing and Water Quality Control.



St. Peter's Health



LUMIBIRD MORE THAN LASERS



## Annual Openings of High-Demand Occupations in Montana Requiring some post-secondary education

Heavy and Tractor-Trailer Truck Drivers	1591
Bookkeeping	1198
Carpenters	758
Nursing Assistants	746
Electricians	377
Cosmetology	339
Medical Assisting	304
Automotive Service Technician	271
Plumbers	271
Heating, Ventilation, Air Conditioning and Refrigeration	239
Dental Assisting	224
Welders	212
Computer User Support Specialist	179
Pharmacy Technicians	131
Telecommunications Equipment Installers and Repair	86
Automotive Body Repair	83
Firefighters	76
Chefs and Cooks	74
Computer Network Support Specialist	70
Commercial Pilots	63

## HVAC-R Certificate of Applied Science and Associate of Applied Science:

### Start up activities:

2020: Industry meetings and curriculum development. Industry developed the CAS and the AAS. Installer and Home maintenance.

2021: Securing lab spaces and start up equipment (\$122,654). Utilized ARPA Gallatin County grant.

AY22: First fall start up, 6 enrolled, 2 completed.

AY23: 12 enrolled, 7 completed.

AY24: Leased additional space and grew to 23 enrolled, 12 completed.

### Strengths:

- Classes M, W, F, work T and Th
- Living in the dorms.
- Strong industry commitment

### Challenges:

- 100% enrolled, develop a second cohort.
- Qualified instructors

## Carpentry Certificate of Applied Science:

### Start up activities:

2021: Industry meetings and curriculum development.

2022: Securing lab spaces and start up equipment (\$68,982). Utilized ARPA Gallatin County grant.

AY23: First fall start up, 13 enrolled, 9 graduated

AY24: Leased new lab space to grow enrollment 16 enrolled and 16 completed.

### Strengths:

- Classes M, W, F, work T and Th
- Living in the dorms.
- Strong industry commitment

### Challenges:

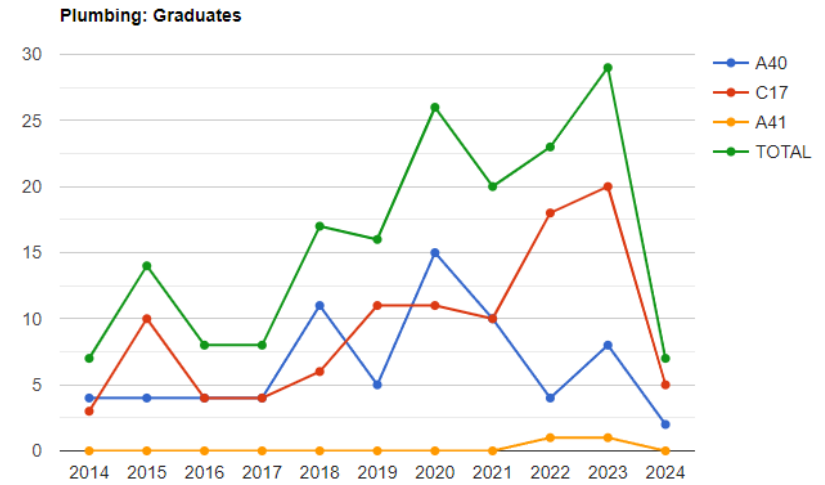
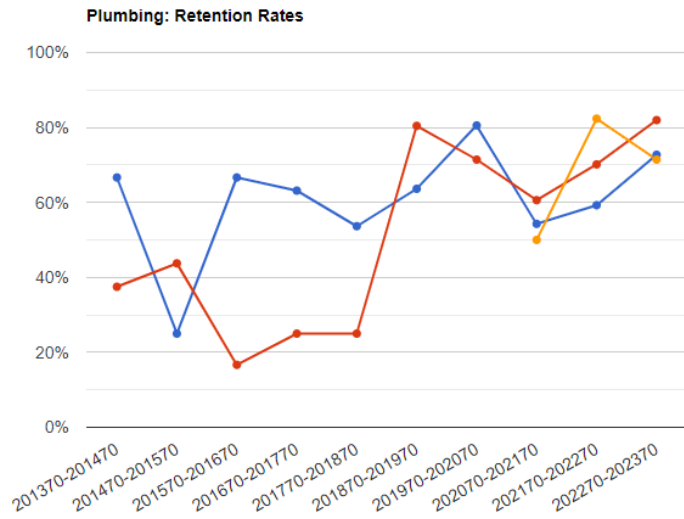
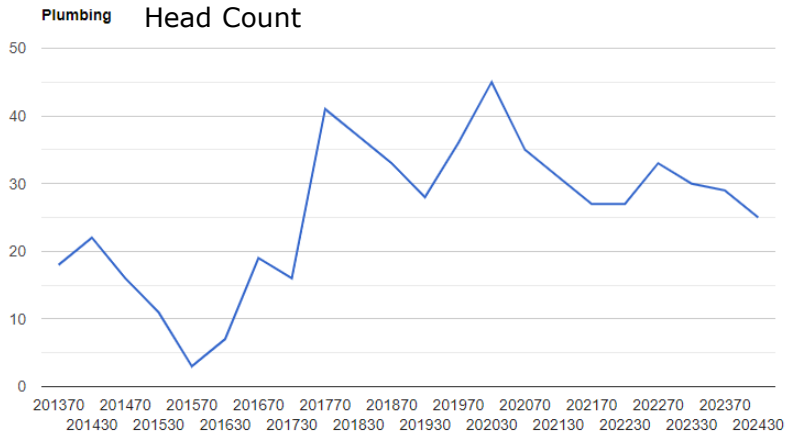
- 100% enrolled, develop a second cohort.
- Qualified instructors



# • Plumbing Technology

FTE:

SUBJ	Description	201370	201470	201570	201670	201770	201870	201970	202070	202170	202270	202370	202430
PLUM	Plumbing	9.6	4.5	3.7	10.1	21.1	12.9	21.5	24.5	30.1	25.5	24.6	21.3



## 202430 TERM STATS

Gender			
F	Female	1	4.0%
M	Male	24	96.0%
Age			
G_U_18	Under 18	0	0.0%
G_18_19	18-19	6	24.0%
G_20_21	20-21	11	44.0%
G_22_24	22-24	6	24.0%
Full Time/Part Time			
FT	FULL Time	23	92.0%
PT	PART Time	2	8.0%
Residency			
I	In State	24	96.0%
O	Out of State	0	0.0%
U	WUE	1	4.0%

Plumbing Code  
A40  
C17  
A41

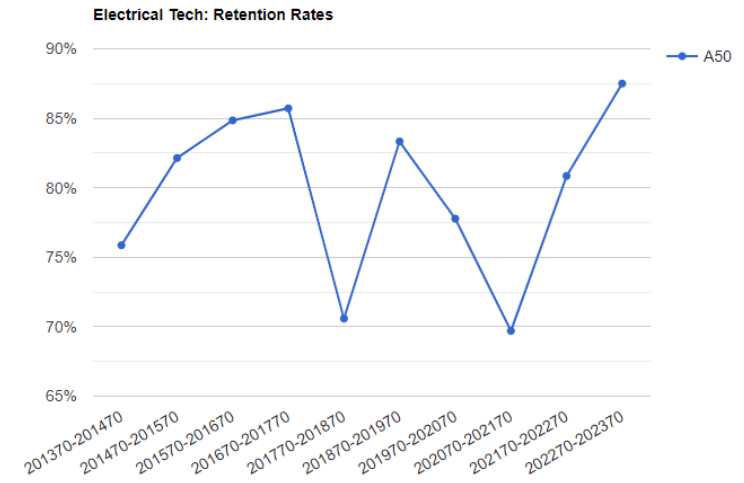
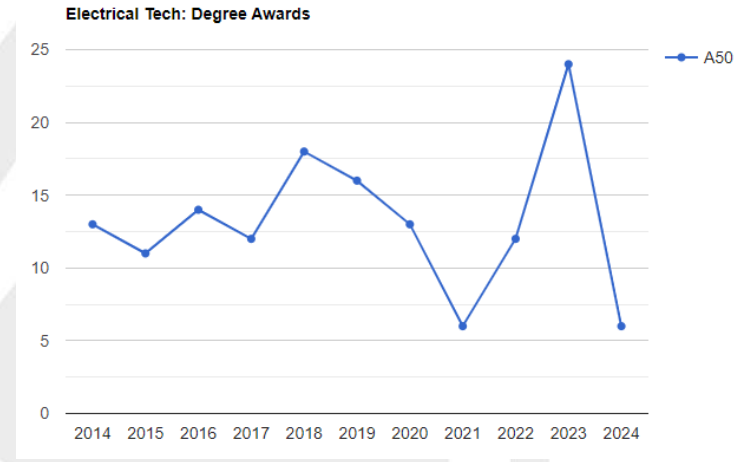
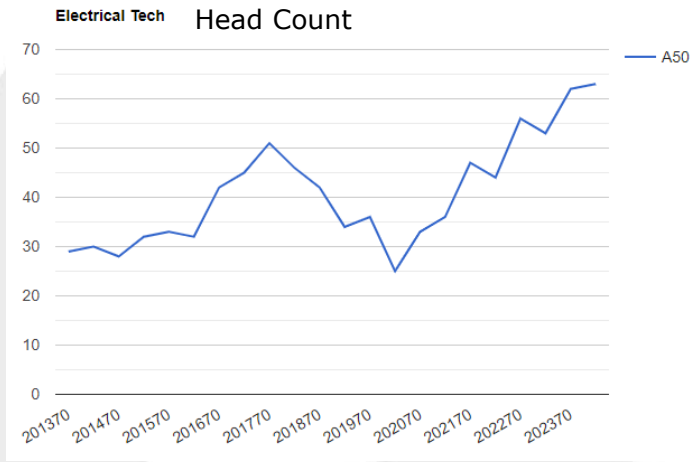
Plumbing Welding  
Pipe Fitter



# • Electrical Technology

FTE:

SUBJ	Description	201370	201470	201570	201670	201770	201870	201970	202070	202170	202270	202370	202430
ELCT	Electrical Technology	0.0	0.0	0.0	35.0	44.9	36.6	31.1	31.0	55.1	78.0	77.3	63.5



## Gender

F	Female	1	1.6%
M	Male	62	98.4%
N	Unknown	0	0.0%

## Residency

I	In State	53	84.1%
O	Out of State	1	1.6%
U	WUE	9	14.3%

## Age

G_U_18	Under 18	0	0.0%
G_18_19	18-19	29	46.0%
G_20_21	20-21	26	41.3%
G_22_24	22-24	2	3.2%
G_25_29	25-29	2	3.2%
G_30_34	30-34	3	4.8%
G_35_39	35-39	1	1.6%

## Full Time/Part Time

FT	FULL Time	63	100.0%
PT	PART Time	0	0.0%

## • Electrical Technology

- Industry-Recognized certifications:
- National Coalition of Certification Centers (NC3)
  - Bending Basics
  - Advanced Bending
  - Voice, Data, Video Test & Termination
  - Wire Pathways – Knockouts
  - Wire Pathways - Rotary
- Forklift Safety & Operator Certification
- 3M/NC3 Safety Certifications
  - Head, Eye & Face Protection
  - Hearing Protection
  - Respiratory Protection



## • Positives:

- High demand career
  - Numerous positions available, all high-paying
- Quality instruction
- Industry support
- Earned apprenticeship hours from the degree

## • Challenges:

- High demand
- Classes are overfull
  - By end of summer
  - Freshman classes at 50% now
    - only mid-May!
- Another qualified instructor needed

# Pre-Apprentice Line Program

One-semester, certificate program

Students earn 5 certifications: CDL, Flagger Training, First Aid/CPR/AED, Rigging, OSHA

Only program in Montana

Industry Supported

Capacity for 50 students/semester

One semester/ 30-credit certificate



# Sprint Automotive Technology

- Utilizes dual enrollment and work-based learning
- Students complete AAS in Automotive Technology in 15 months post high school graduation
- Stackable credentials (CAS-AAS-BAS)
- Accelerated format
- Industry sponsored scholarships and partnerships
- Pair work experiences
- Internship Opportunities



# Questions?

**Stephanie Gray, Dean, Gallatin College MSU**

**Steven Don, Dean College of Technical Sciences, MSU Northern**

**Karen VanDaveer, Dean, Highlands College**