

Aviation Maintenance Training Program

Sean Cargill

DISCOVER



SEATTLE COLLEGES

North · Central · South

What is the program?

Aviation Maintenance Training Program

2 year program provides training in aircraft maintenance. Prepares students to take the FAA Oral & Practical Exams, and to work successfully in the aviation maintenance industry.

Where is this program offered?

South Seattle College
Main Campus
6000 16th Ave SW
Seattle, WA 98106



Entry Requirements

- Placement test
(schedule with Academic Advising)
- Prior college level Math and English (transfer credit)
- Completion of Math and English classes at Seattle Colleges

Tell me more!



- Learn to fix things!
- Tools
- Shop safety
- Field trips
- Many career options
- No prior technical experience required!
- Can be applied toward an AAS or AAS-T degree!

Tell me more!



Tell me more!



A Day in the Life...

- Full-time college-level program
- Tuesday – Friday
 - 7:00a – 1:00p
 - or
 - 2:00p – 8:00p
- 15 credits
- 9 weeks per quarter
- 8 quarters (through the Summer)
- 1-2 days in classroom per week
- 3-4 days in shop per week
- Weekly tests
- Most students also work full-time



Education Pathway

AMT 105 (First class)

- Introduction to Aviation
- Regulations
- Math
- Physics

AMT 110

- Drawings
- Weight & Balance
- Electricity fundamentals

AMT 115

- Structures
- Hardware
- Tools
- Repair

AMT 120

- Airframe Systems
- Hydraulics
- Fuel

General Written Exam

AMT 205

- Flight Controls
- Fire Protection
- Environment Systems

AMT 210

- Airframe Electrical
- Inspections
- Radio & Navigation

Airframe Exams

AMT 225

- Powerplant Theory
- Powerplant Systems

AMT 230

- Powerplant Maintenance
- Powerplant Inspection

Powerplant Exams

Education Pathway

- Physics
- Mathematics (through Trigonometry)
- Aerodynamics
- Electricity!
- Forming sheet metal
- Riveting
- Composites
- Hydraulic Systems
- Oxygen, Fuel and Pneumatic Systems
- Flight Controls
- Instruments
- How turbine and reciprocating engines work
- Engine Overhaul
- Component replacement
- Inspection
- Aviation Regulations
- Propellers & Governors
- Fire Protection Systems
- Helicopters
- Landing Gear, Wheels & Brakes
- And Much More!!!

The Hangars

- Three hangars at Main Campus
- One hangar at Boeing Field
- 12 real aircraft to work on (6 @ SSC, 6 @ BFI)
- Many reciprocating and turbine engines!



The Instructors

- Industry Experience
- All licensed A&P Mechanics
- Airlines
- General Aviation
- Corporate Aircraft



- I-BEST support
(AMT 105 & 110 AM classes)



Careers/Jobs

Our graduates have gone on to pursue successful careers in these areas and many more!!!

- Airlines (Delta, Alaska, Horizon, United, OAI)
- Helicopters (Air Tours, Firefighting, Energy Companies)
- General Aviation (Flight Schools, Training Discounts)
- Corporate Aircraft (Duncan Aviation, Modern Aviation)
- Boeing
- Engine Manufacturers (GE, Rolls Royce, CFM)
- Elevator/Escalator maintenance
- Amusement Parks
- Light Rail



Q & A

- **How much does it cost?**
 - *Approx. \$2000 per quarter (In-State Resident), but Tuition Assistance, Financial Aid, WorkForce funding, Scholarships and Grants are available*
- **What kind of tools will I need?**
 - *A tool list will be provided in AMT 105 which will include screwdrivers, wrenches, sockets to start with. You will add tools to your kit as you learn more about the industry*
- **What if I have to take a quarter off?**
 - *You may need to wait a couple quarters before the class you need is offered again*
- **How flexible is the class schedule?**
 - *The program is meant to prepare you to work in the industry. There is a little flexibility at instructor discretion, but for the most part you should be on time to class everyday.*
- **What if I'm not sure yet?**
 - *If you take AMT 105 and don't like it, you are under no obligation to continue. Talk to other students who are in the program. There is no harm in trying it out! **Ask for a tour of the hangar!***

Slideshow



Slideshow



Slideshow



Slideshow



This looks like fun!



Next Steps

- Contact the Academic Advisor for AMT: **Evan Aho**
 - 206-934-6789
 - Evan.aho@seattlecolleges.edu
- Enroll online at southseattle.edu
- Take placement tests or transfer credit
- Register for AMT 105
- Create an Academic Plan
- If you aren't sure where to go next, please contact **ME**:
 - **Sean Cargill**
 - Sean.cargill@seattlecolleges.edu
 - 206-934-5858 (office & voicemail, direct to email)
- **Ask for a tour of the hangar!** Come find me and say "Hi!"

Thank you for considering SSC Aviation Maintenance Training Program as your next big opportunity!

Next Session

Return to Main Session

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