

Welcome to the Aviation & Aerospace Specialist High Skills Major, where students tailor their high school education to align with their interests and talents while fulfilling graduation requirements.

Careers in Aviation & Aerospace

SHSM study prepares students to enter into careers in all pathways (work, apprenticeship, college, and university).

The Aviation & Aerospace sector includes a wide range of high demand and flexible career options.

- Aerospace engineers
- Electrical and electronics engineers
- Industrial and manufacturing engineers
- Mechanical engineers
- Air pilot, flight engineer, and flying instructors
- Air traffic controllers and related occupations
- Electronic service technicians
- Mechanical engineering technologists and technicians

Ask your Guidance Counsellor for more information.



Aviation & Aerospace

SHSM Requirements:

SHSM study provides senior (Grade 11 and 12) students with the opportunity to focus their high school education based on individual interests and aptitude. Major sector-specific credits, cooperative education in the sector, English, Mathematics, and, in most cases, additional credits in specified subjects complete the graduation requirement of 30 credits.

Certifications and Training are an important part of the SHSM. Sector-specific certifications and training are provided free of charge to ensure students are prepared.

Hands-on (experiential) learning activities, reach-ahead opportunities (post-secondary goals) and the completion of one of ICE (Innovation, Creativity, and Entrepreneurship), Mathematical Literacy or Coding complete the SHSM requirements. Students who complete the program will have an SHSM seal of distinction on their graduation diploma.

Achieve

**9 of your 30
OSSD credits**

**Training and 7 sector-
recognized certifications**

The bundle includes:

- 4 “major” credits in Aviation and Aerospace in grade 11 and 12
- Supporting credits: > 1 Grade 12 English credit or 1 Grade 11 English credit
- 1 Grade 11 Math credit or 1 Grade 12 Math credit
- 1 Grade 11 or 12 Science, Business Studies or Canadian & World Studies credit

Confederation College ACE Aviation Centre - Thunder Bay Airport
Students may earn two academic credits in the morning and 2 cooperative education credits in the afternoon at ACE



Lakehead Public Schools