

## NORTH SALEM HIGH SCHOOL

**School District/ Location:** Salem-Keizer Public Schools, Salem, OR

**Web Address:** <http://north.salkeiz.k12.or.us/>

**Overview:** North Salem High School offers an Industrial Technology Program as well as a Computer Science Program. The computer science department offers opportunities ranging from courses in programming to an internship where students get paid to work with hardware. The Industrial Technology Department is offering a new Academy this year that focuses on Engineering and Engineering Technology. Courses will focus on the skills of engineering design, communications, electronics, engineering applications, and will culminate with an advanced projects/ capstone course in which students will complete their Senior Project.

### **Courses Offered/ Program Format:**

Industrial Technology Department – three levels of endorsement available: exploratory, technical, professional

- Traditional Industrial Technology
  - Drafting
  - Microelectronics
  - Cabinetmaking
  - Robotics
- *Project Lead The Way*
  - Introduction to Engineering Design
  - Principles of Engineering
  - Digital Electronics
  - Computer Integrated Manufacturing
  - Engineering Design And Development

### Computer Science Department

- Programming - Pascal, C++, Visual Basic, Access, and other languages
- NTech (computer systems and support) - an innovative course where students learn how to assemble, repair, and maintain computers. They also learn how to provide computer support for the school.
- Cisco Networking Academy - course requires a two-year commitment (junior and senior years) and teaches topics from networking essentials through LAN and WAN design.
- Computer Science Internship – students earn credit and get paid to program or work with hardware.

Clubs – meet as part of the school day during the Wednesday Plus Period time

- Computer Club – available to students interested in extended experiences in the computer area
- Robotics - using LEGOS to learn Robotics and to prepare for FIRST Robotics Competition

**Size of Program:** Approximate total school enrollment - 1900 students

**Curriculum Used:** Industrial Technology Department uses both traditional industrial technology curriculum as well as *Project Lead The Way Inc.* curriculum. Level of endorsement chosen by the student determines the type of courses taken.

**Time Spent by Students:** The time commitment required by students will vary depending on the level of endorsement chosen and their involvement in clubs and co-curricular activities.

**Results to Date:** NA

**Outside Funding Sources:** NA