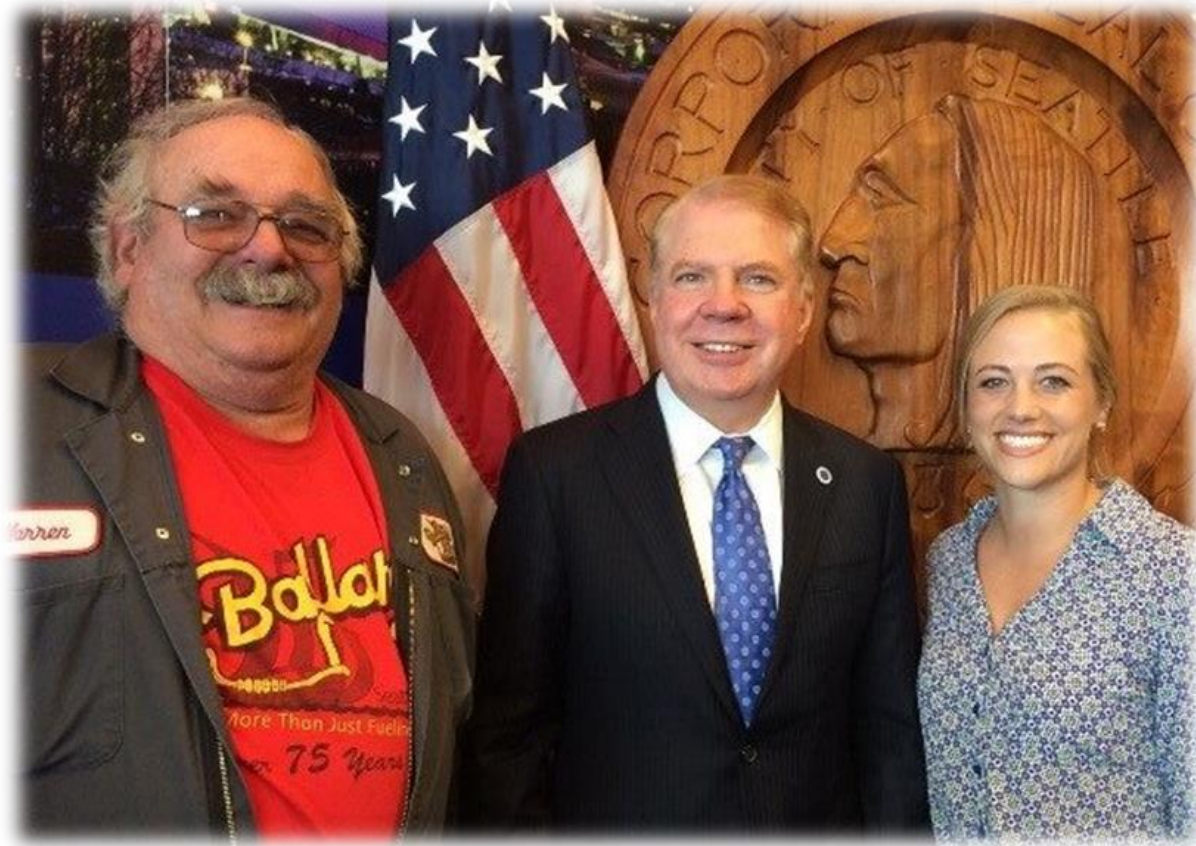




MANUFACTURING INDUSTRIAL COUNCIL



May 16, 2017

Goals & Objectives: 1998-2017

- Support industrial job base
- Articulate community values
- Proactively engage decision-makers



2017-18 Work Plan

- Land Use Review
- Freight
 - ✓ One Center City Focus
 - ✓ SR 99 issues
 - ✓ Project reviews
- EPA Roundtable
- SCL Rate Review
- Core Plus Initiative





Skills-based education

50 sites, 3,500 students

Credit equivalencies for
science, math & language arts



Year 1 (General) - 540 Hours

Semester 1

1. **Materials Science***
2. **Shop Tools**
3. **Safety**
4. **SOP's**
5. **Precision Measurement**
6. **Fasteners**
7. **Drilling**
8. **Saw/Mill/Lathe**
9. **Riveting**

Semester 2

10. **Print Reading**
11. Applied Physics
12. Math for Manufacturing
13. Rigging
14. Hydraulics & Pneumatics
15. Electrical
16. Soldering
17. Troubleshooting & Critical Thinking
18. Lean/Manufacturing Processes and Principles

Year 2 (Aerospace) - 540 Hours

Semester 1

19. Intro to Aerospace
20. Skin Protection
21. Sealing
22. Gap Measurement
23. Shim and Trim
24. Fluid Lines & Fittings
25. Fiber Optics

Semester 2

26. Advanced Composites
27. Quality
28. Robotics
29. Practice & Assessment
30. Capstone

*Traditional high schools limited to 180 hours of curriculum should focus on units 1-10 (highlighted in orange). The "Materials" portion of Materials Science is highlighted since you may only be able to concentrate on the basic Materials instead of the full Materials Science section within the 180 hour time constraints.



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