

CAREER CLUSTER REQUIREMENTS (2008-2009) (revised 11/13/2008)

(Prerequisites in Italics)

1. **Communications, Media, and Arts:**
 - a. Career Research and Development – Career Research and Development 1, Career Development Seminar with a Work-Based Learning Experience minimum 270 hours
 - b. Fine Arts (Instrumental) – 12 certificate of merit courses, Algebra 1, Algebra 2, Geometry, two years of one world language, an instrumental music course each year
 - c. Fine Arts (Theater) – 12 certificate of merit courses, Algebra 1, Algebra 2, Geometry, two years of one world language, Theater 1,2,3,4
 - d. Fine Arts (Visual) – 12 certificate of merit courses, Algebra 1, Algebra 2, Geometry, two years of one world language, Visual Art 1, 2, 3, 4
 - e. Fine Arts (Vocal) – 12 certificate of merit courses, Algebra 1, Algebra 2, Geometry, two years of one world language, vocal art class each year
 - f. Graphic Communications – Graphic Communications 1, Graphic Communications 2 **(TC 2yrs)**
 - g. Humanities – 12 certificate of merit courses, Algebra 1, Algebra 2, Geometry, two years of one world language
 - h. TV/Video Production – TV/Video Production 1, TV/Video Production 2 **(TC 2yrs)**
2. **Business Management and Finance:**
 - a. Accounting – Computer Applications 1, Accounting 1, Accounting 2, Computer Applications 2 **(at CHS only)**
 - b. Business Administration – *Principles of Business, Administration, and Management*, Computer Applications 1, Business Administration 1, Business Administration 2
 - c. Computer Programming – Computer Applications 1, Computer Programming 1, Computer Program 2 or AP Computer Science A
 - d. Career Research and Development - Career Research and Development 1, Career Development Seminar with a Work-Based Learning Experience minimum of 270 hours
 - e. Marketing – Computer Applications 1, Marketing 1, Marketing 2, Marketing Work Experience **(at CHS only)**
 - f. Mathematics – 12 certificate of merit courses, Algebra 1, Algebra 2, Geometry, two years of one World language, mathematics course each year
 - g. Office Technology – Computer Applications 1, Computer Applications 2, Computer Programming 1, Simulated Office **(at CHS only)**
 - h. Computer Website Design and Maintenance – Computer Applications 1, Computer Graphics, Computer Website Design and Maintenance 1, and Computer Website Design and Maintenance 2
3. **Engineering, Science, and Technology:**
 - a. Automotive Refinishing and Repair – Introduction to Automotive Refinishing and Repair, Automotive Refinishing and Repair 1, Automotive Refinishing and Repair 2 **(TC 3yrs)**
 - b. Automotive Technology – Introduction to Automotive Technology, Automotive Technology 1, Automotive Technology 2 **(TC 3yrs)**
 - c. Aviation Technology – *Passing grade in Algebra 1*, Introduction to Aviation Technology, Aviation Technology 1, Aviation Technology 2 **(TC 3yrs)**
 - d. Building Trades Academy – Building Trades Academy 1, Building Trades Academy 2, Construction Management (third course, not always required.) **(TC 2yrs)**
 - e. Computer Aided Drafting and Design (CADD) – *Passing grade in Algebra 1 or an equivalent mathematics course*, Computer Aided Drafting and Design 1 (CADD), Computer Aided Drafting and Design 2 (CADD) **(TC 2yrs)**
 - f. Computer Networking – *Passing grade in Algebra 1 or equivalent mathematics course*, Computer Networking 1, Computer Networking 2 **(TC 2yrs)**
 - g. Diesel Technology – *Passing grade in Algebra Course A or an equivalent mathematics course*, Introduction to Diesel Technology, Diesel Tech 1, Diesel Tech 2 **(TC 3yrs)**
 - h. Career Research and Development – Career Research and Development 1, Career Development Seminar with a Work-Based Learning Experience minimum of 270 hours

- i. Electronic Technology – Completion of Algebra 1 with 2.0 or better, Electronic Technology 1, Electronic Technology 2 (TC 2yrs)
 - j. Engineering Technology – Passing grade in Algebra 1 an equivalent mathematics course, Engineering Technology 1, Engineering Technology 2 (TC 2yrs)
 - k. Production Engineering – Passing grade in Algebra 1 or equivalent courser, Manufacturing Technology 1, Manufacturing Technology 2 (TC 2yrs)
 - l. Mathematics – 12 certificate of merit courses, Algebra 1, Algebra 2, Geometry, two years of one world language, one math course each year
 - m. Pre-Engineering – 12 certificate of merit courses, Algebra 1, Algebra 2, Geometry, two years of one world language, one math or science course each year OR Pre-engineering 1, Pre-engineering 2
 - n. Science – 12 certificate of merit courses, Algebra 1, Algebra 2, Geometry, two years of one world language, one science course each year
 - o. Sheet Metal – Sheet Metal 1, Sheet Metal 2 (TC 2yrs)
 - p. Telecommunications –Telecommunications 1, Telecommunications 2 (TC 2yrs)
 - q. Welding – Welding 1 and Welding 2 (TC 2yrs)
4. **Life Science and Environmental Studies:**
- a. Allied Health – Minimum of 2.0 average in Biology 1 and Algebra 1, Allied Health 1, Allied Health 2 (TC 2yrs)
 - b. Dental Assisting Technology – Biology with a C or better, Dental Assisting Technology 1, Dental Assisting Technology 2 (TC 2yrs)
 - c. Career Research and Development – Career Research and Development 1, Career Development Seminar with a Work-Based Learning Experience minimum of 270 hours
 - d. Natural Resources Management – Biology 1, Natural Resources Management 1, Natural Resources Management 2 (TC 2yrs)
 - e. Horticulture – Horticulture 1, Horticulture 2 (TC 2yrs)
 - f. Mathematics –12 certificate of merit courses, Algebra 1, Algebra 2, Geometry, two years of one World language, one math course each year
 - g. Science – 12 certificate of merit courses, Algebra 1, Algebra 2, Geometry, two years of one World language, one science course each year
5. **Consumer and Health Services:**
- a. Child Development – Child Development 1, Child Development 2
 - b. Criminal Justice – Criminal Justice 1, Criminal Justice 2 (TC 2yrs)
 - c. Culinary Arts – Passing grade in Biology,1Culinary Arts 1, Culinary Arts 2 (TC 2yrs)
 - d. Career Research and Development – Career Research and Development 1, Career Development Seminar with a Work-Based Learning Experience minimum of 270 hours
 - e. Fire and Rescue/EMT – Approval of the instructor, age 16 by September 15, member of a local fire department or rescue squad, available on weekends, own transportation and eligible for high school parking permit, and parent permission, Fire and Rescue/Emergency Medical Technician (TC 1yr)
 - f. Hospitality and Tourism – Hospitality and Tourism 1, Hospitality and Tourism 2 (TC 2yrs)
 - g. Humanities – 12 certificate of merit courses, Algebra 1, Algebra 2, Geometry, two years of one World language
 - h. Nursing – 12 certificate of merit courses, Algebra 1, Algebra 2, Geometry, two years of one World language, biology, Allied Health 1, Allied Health 2
 - i. Paralegal Studies – Computer Applications 1, Business Law, Computer Applications 2, Intro. To Paralegal Studies (at CHS only)