

COLLEGE TECH PREP COURSE SYLLABUS LANGUAGE

Electronics and Instrumentation Technology

10/2006

To receive approval to offer a *College Tech Prep* articulated course(s), high school instructors are required to submit to the college designee an appropriate course syllabi which includes the following information:

Heading:

High School Name

Teacher Name

High School Course Title

Year Course Being Taught

Length of Course (*1 semester; 2 semester sequence; trimester, etc.*)

Course Hours: 1 semester = 90 hrs/.5 credit or 1 semester = 180 hrs/1 credit, etc.

Prerequisites: *list any that apply*

Course Description: to include overview of course - purpose, description of course content, etc.

Tech Prep Description: Identify appropriate college (BTC) for course articulation, the college course title, course code number and credit/hour equivalent. ONLY list those college courses for which you can realistically cover the course content and teach the appropriate industry skill standard during the designated time frame for the high school course. *Please check the college course catalog or the latest articulation agreement for correct college course titles and course code numbers. For example:*

This course is *College Tech Prep* approved and articulated with Bellingham Technical College's *Electronics Technology and Instrumentation & Control Technology* programs. During the first semester, students will begin to cover the content and skill standards included in the following BTC courses: (*list only courses that apply to your program*)

ELTR 100 DC I (Direct Current I) 75 hours/4 credits)

ELTR 105 DC II (Direct Current II) 75 hours/4 credits)

Proficiency Standard Designation: all course syllabi must include a very clear statement about eligibility requirements for receiving college credits for the course. Indicate how many high school semesters students will need to complete to cover the college course content. Indicate how/when students will demonstrate the competency level needed to achieve college credits. *Please include this statement or one using similar terminology:*

Students who demonstrate proficiency of the identified BTC course competencies (skill standards) with a 'B' or better grade, *may* earn college credit through the *College Tech Prep* application process. The Competency Profile for each college course is attached to this syllabus. To gain college credit, students must complete all of the competencies listed for each course. It will take most students two high school semesters to demonstrate competency. During the semester most of the competencies will be covered in class...some may require additional independent work by the student.

TEACHER NOTE: if appropriate to your course structure, some students may choose to continue work on their college competencies during the second or third semester of your program and then complete the articulation process at the end of the school year (ie: year long course broken into 2 semesters).

Course Competencies: syllabus should include a list of the specific course objectives or competencies that align the high school course with the college course. Competencies would be those agreed to

between high school and college instructors; students would need to achieve these competencies to earn articulated college credits. You may choose to refer students to the *College Tech Prep Competency Profile* attached to the high school syllabus or just list the college competencies within the body of your course syllabus. For example:

DC I. Students will...

- Apply Ohm's Law to the calculation of voltage, current, resistance, & power in simple DC circuits.
- Logically troubleshoot a simple, malfunctioning circuit using appropriate test equipment.
- Demonstrate proper soldering technique on wire splices and printed circuit boards.

Textbook Used: provide the name of the textbook, author, publisher and edition year.

Other Course Information: include other course information as required by your high school course syllabi standards.

Submission Requirements: High school and college faculty will meet to establish minimum acceptable core competencies and level of achievement necessary before articulation can be completed. Once agreement is reached high school and college instructors will sign the formal articulation agreement. Instructors agree to follow the agreement procedures and provisions for the awarding of credits.

- ◆ Articulated courses will be reviewed annually by the college and high school instructors regarding success/failure to meet articulation provisions. If necessary, the original agreement may be edited to meet new industry standards as they emerge.
- ◆ An updated syllabus will be submitted each spring quarter for the College Tech Prep courses that you intend to offer the next school year. Submit revised course syllabus to L. Cowan for review. Linda will submit syllabus to the college Dean and appropriate program instructors. College program instructors will keep the syllabus on file as documentation of your course requirements for articulation purposes.
- ◆ Attached to the updated course syllabus, teachers must include a completed Teacher Course Verification Form confirming the HS classes to be taught and their college equivalents. Both the teacher and CTE Director or school principal must sign the Verification form.
- ◆ A list of approved programs/instructors will be mailed to each high school annually (copies to instructors, registrars, counselors and principals). You can also check the Whatcom County On-Line Tech Prep Registration system for an updated list of articulated courses available at your school. <http://whatcomtechprep.org>