



## **ELECTRONICS & INSTRUMENTATION TECHNOLOGY PROGRAMS COURSE ARTICULATION AGREEMENT**

*New 11/2006*

Based upon mutual concern for the needs of students pursuing Electronics & Instrumentation Technology programs, and in an effort to provide a continuing articulated program that builds on past learning experiences and eliminates unnecessary duplication of instruction, the following are agreements to which we mutually subscribe.

### **STATEMENT OF PURPOSE**

The purpose of this agreement is to give Bellingham Technical College credit to high school students who have achieved the level of knowledge and skill required for the college equivalent entry-level course(s).

### **ARTICULATION PROCEDURE**

*To request college-equivalent credit for an approved Tech Prep secondary course, the student must:*

1. Be enrolled in an approved College Tech Prep course.
2. Earn an A or B grade (minimum of 3.0) in the approved high school class and have demonstrated the required competencies for the college course.
3. Receive a signed certificate of course completion from the high school instructor.
4. Complete a *Direct Credit* on-line application form and pay a one-time application fee of \$25.
5. Submit a *Direct Credit* application form no later than June 16 for any college-equivalent courses taken during the school year.
6. The college registrar will post the college course and credits on a permanent transcript. The credits *may* apply toward the student's college degree program. *Transferability of credit is determined on a case-by-case basis at each college institution.* There is no guarantee that credits will transfer to any other community/technical college or baccalaureate institution.

### **ARTICULATION AGREEMENT PROVISIONS**

*Each high school will:*

1. Ensure all College Tech Prep approved courses are taught by instructors who meet the WA State CTE/vocational teaching requirements or meet BTC's employment criteria for Electronics Technology instructors.
2. Ensure the program/individual courses meet the program standards established for CTE/vocationally approved programs. High school principals/CTE directors are responsible for ensuring the program meets the college standards.
3. On an annual basis, high school instructors will provide an updated course syllabus to the college Tech Prep office (for each Tech Prep approved course).
4. On an annual basis, high school instructors will attend at least one *Electronics-related* articulation program meeting and at least one skill-based inservice or workshop (as made available by the Tech Prep Director).
5. Ensure the curriculum is competency based, integrating academics and technical education through classroom instruction and practical experience.
6. Follow the articulation agreement procedures and provisions for the awarding of credits.
  - Assess student skill & competency using the *Electronics Competency Profile* for each articulated course.
7. It is recommended students maintain a portfolio which includes samples of their work – assignments, tests, and projects. The portfolio should demonstrate what students know and are able to do related to electronics. Students should be prepared to submit their portfolio to the college instructor upon

entrance to the college program. The portfolio verifies student’s breadth and depth of work completed in high school – a showcase of their skills and talents.

8. Provide information regarding the Tech Prep program and courses to parents and students enrolled in the high school program.
9. Support students using the web-based Tech Prep Registration system; teachers will use the same system for recording final grades for college transcription purposes.
10. Encourage students to visit the campus and program to learn about degree opportunities available in *Electronics Technology* and *Instrumentation and Control Technology*.

*Bellingham Technical College will:*

1. Provide all high school partners with copies of the college catalog.
2. Provide all instructors with college course syllabus for each articulated course; syllabus will include the individual course competencies and other program requirements.
3. Provide advance notification (minimum of one year) of changes in course structure that may impact a schools ability to offer the College Tech Prep course(s).
4. Meet regularly with high school instructors to establish and maintain the minimum acceptable competencies and the level of achievement necessary for College Tech Prep articulation.

**Agreement Renewal:** The high school and college instructors in the *Electronics Technology* program will meet annually to review, evaluate and revise curriculum, evaluation methods, textbook changes, that have taken place or will take place for the next academic year. If necessary, the original agreement may be edited to meet new program standards. Articulation agreements shall not exceed two years and will be revised as deemed necessary.

### ELECTRONICS TECHNOLOGY ARTICULATED COURSES

The following BTC courses have been approved for Tech Prep articulation with local partner high schools.

Secondary Programs <i>(course titles vary between high schools)</i>	BTC MACHINING TECHNOLOGY Colleges Courses Available for Articulation
Ferndale High School	<b>Direct Current I</b> ELTR 100 - 75 hours / 4 credits
Mt. Baker High School	<b>Direct Current II</b> ELTR 105 – 75 hours / 4 credits
Sehome High School	<b>Alternate Current I</b> ELTR 110 – 78 hours / 4 credits
Squalicum High School	<b>Alternate Current II</b> ELTR 115 - 78 hours / 4 credits