

## Advanced Technology Endorsement - 2006/2007

All Advanced Technology Endorsement Students must have a completed EET, CET, or IET.

**Program Chair Approval is required for enrollment.**

| <i>TERM 1</i>              |                                            | <i>CREDIT HOURS</i> |                  |
|----------------------------|--------------------------------------------|---------------------|------------------|
| CH201                      | Chemistry for Engineers                    | 4                   |                  |
| Or CH121                   | College Chemistry                          | 5                   |                  |
| MTH243                     | Probabilities and Statistics I             | 4                   |                  |
| Or MTH241                  | Elementary Calculus                        | 4                   |                  |
| Or MTH251                  | Differential Calculus                      | 4                   |                  |
| Or MTH231                  | Discreet Mathematics                       | 4                   |                  |
| WR121                      | English Composition – Logic and Style      | 3                   |                  |
| *****                      | Advanced Technical Electives *             | <u>6</u>            |                  |
|                            |                                            |                     | <u>17</u>        |
| <br>                       |                                            |                     |                  |
| <i>TERM 2</i>              |                                            |                     |                  |
| CH202                      | Chemistry for Engineers                    | 4                   |                  |
| Or CH122                   | College Chemistry                          | 5                   |                  |
| PSY104                     | Psychology for the Workplace               | 4                   |                  |
| SP219                      | Fundamentals of Small Group Communications | 3                   |                  |
| *****                      | Advanced Technical Elective *              | <u>3</u>            |                  |
|                            |                                            |                     | <u>14</u>        |
| <br>                       |                                            |                     |                  |
| <i>TERM 3</i>              |                                            |                     |                  |
| *****                      | Advanced Technical Electives *             | <u>13</u>           |                  |
|                            |                                            |                     | <u>13</u>        |
| <b>Total Program Hours</b> |                                            |                     | <b><u>44</u></b> |

*All students in Advanced Technology Endorsement are required to have a Pentium 4 compatible computer and high speed internet access.*

### ELECTRONICS ADVISORS/STAFF

|                       |          |                |                                                                    |
|-----------------------|----------|----------------|--------------------------------------------------------------------|
| Rodney Harris         | Rm 4-273 | (503) 399-6507 | <a href="mailto:rharri28@chemeketa.edu">rharri28@chemeketa.edu</a> |
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| Eugene Moore          | Rm 4-273 | (503) 399-6506 | <a href="mailto:emoore29@chemeketa.edu">emoore29@chemeketa.edu</a> |
| Charles Sekafetz (PC) | Rm 4-292 | (503) 399-6254 | <a href="mailto:sekafetz@chemketa.edu">sekafetz@chemketa.edu</a>   |
| Roger White           | Rm 4-124 | (503) 399-5068 | <a href="mailto:rogerw@chemeketa.edu">rogerw@chemeketa.edu</a>     |
| Jeffrey Franzone      | Rm 4-273 | (503) 365-4780 | <a href="mailto:jfranzon@chemeketa.edu">jfranzon@chemeketa.edu</a> |

### OTHER

You must get a C or better in all required classes to graduate.

### \*Approved Advanced Technical Electives

|        |                                 |        |                                |
|--------|---------------------------------|--------|--------------------------------|
| MT110  | Microelectronics                | MT221  | Fluid and Vacuum Systems       |
| CH203  | Chemistry for Engineers         | ELT283 | Logical Troubleshooting        |
| CH123  | College Chemistry               | ELT281 | Telecommunications             |
| PH203  | General Physics                 | ELT282 | Antenna and Transmission Lines |
| ELT291 | Advanced Industrial Electronics | WLD073 | Basic Gas Tungsten Arc Welding |
| ELT293 | Flexible Manufacturing Systems  | CAM160 | Programming CNC Lathes         |
| MT227A | Pneumatics                      | CAM290 | CAD/CAM Integrations           |
| NET123 | Computer Operating Systems      | CVL230 | Applied Statics                |
| CS145  | Computer Hardware               | EGR211 | Statics                        |
| NET151 | Network Essentials              | DRF132 | AutoCAD 3                      |
| NET152 | Network Router Configurations   | CS276A | Introduction to Oracle: SQL    |
| NET152 | LANs and Internetwork Design    |        |                                |
| NET153 | WAN Design                      |        |                                |
| NET171 | Fundamentals of Wireless LANs   |        | Cooperative Work Experience    |
| MT223  | High Vacuum Technology          |        | Maximum credits allowed 12     |