

# Career and Technical Education Certification Requirements

|   |           |             |              |                   |  |           |             |                    |                    |
|---|-----------|-------------|--------------|-------------------|--|-----------|-------------|--------------------|--------------------|
| <b>Name:</b>  |           |             |              |                   | <b>Banner ID:</b>  |           |             |                    |                    |
| <b>C &amp; T Intern Certificate</b><br>(valid for 3 calendar years)                                   |           |             |              | <b>Exp. Date:</b> | <b>C &amp; T Instructional I Certificate</b><br>(valid for 8 teaching years)               |           |             |                    | <b>Issue Date:</b> |
| <b>CTE Courses - 15 credits (Field-Based)</b>   |           |             |              |                   | <b>CTE Courses - 12 credits (Field-Based)</b>  |           |             |                    |                    |
|   | <b>CR</b> | <b>Term</b> | <b>Grade</b> |                   |  | <b>CR</b> | <b>Term</b> | <b>Grade</b>       |                    |
| VOED 101 - Introduction to CTE  | 1         |             |              |                   | VOED 301 - Integrating Math & Science in CTE   | 3         |             |                    |                    |
| VOED 102 - Instr. Planning in CTE Classroom   | 2         |             |              |                   | VOED 302 - Career Ed. in the CTE Classroom   | 3         |             |                    |                    |
| VOED 103 - Strategies for Teaching CTE  | 3         |             |              |                   | <b>Professional Education Courses should be taken prior to VOED 404 and 405.</b>           |           |             |                    |                    |
| VOED 201 -Making Accommodations for Special Needs Students - must be taken jointly with EDEX 301      | 1         |             |              |                   | VOED 404 - Research in CTE<br>(Spring semester only)                                       | 3         |             |                    |                    |
| EDEX 301 - Education of Students w/ Disabilities in Inclusive Secondary Settings (co-req w/ VOED 201) | 2         |             |              |                   | VOED 405 - Professional Seminar in CTE<br>(Fall semester only)                             | 3         |             |                    |                    |
| VOED 202 - Industry Linkages for CTE Programs   | 3         |             |              |                   | <b>Professional Education Sequence - 15 credits</b>  |           |             |                    |                    |
| VOED 203 - Incorporating Reading and Communication Strategies in CTE Classroom                        | 3         |             |              |                   | EDSP 102 - Educational Psychology  | 3         |             |                    |                    |
| <b>Liberal Studies – 3 credits</b>  |           |             |              |                   | *EDSP 477 - Assessment of Student Learning   | 3         |             |                    |                    |
| ENGL 101 - Composition I  | 3         |             |              |                   | *ETIT 103 - Digital Instructional Technology<br>(formerly offered as ACE 103 or COMM 103 ) | 3         |             |                    |                    |
| <b>Other Certification Requirements</b>   |           |             |              |                   | EDEX 323 - Instruction of English Language Learners w/Special Needs                        | 2         |             |                    |                    |
| Praxis Core Academic Skills for Educators Tests: Reading and Writing                                  |           |             |              |                   | EDEX 458 - Transition Assessment and Planning for Youth with Disabilities                  | 3         |             |                    |                    |
| PDE 430 Observation (embedded in VOED 203 course observation)   |           |             |              |                   | *EDUC 442 - School Law   | 1         |             |                    |                    |
|   |           |             |              |                   | <b>Liberal Studies – 12-13 credits<br/>Depending upon Natural Science course selection</b> |           |             |                    |                    |
|   |           |             |              |                   | MATH 151 - Elements of Mathematics I   | 3         |             |                    |                    |
|   |           |             |              |                   | PSYC 101 - General Psychology  | 3         |             |                    |                    |
|   |           |             |              |                   | HUMANTIES - (Choose one from next page)  | 3         |             |                    |                    |
|   |           |             |              |                   | NATURAL SCIENCE - (Choose one from next page)  | 3-4       |             |                    |                    |
|   |           |             |              |                   | <b>Free Electives - 2-3 credits<br/>Depending upon total credits earned</b>                |           |             |                    |                    |
|   |           |             |              |                   | Choose ANY course listed in IUP Undergraduate Catalog (Clear with advisor first)           | 3         |             |                    |                    |
|   |           |             |              |                   | <b>Other Certification Requirements</b>  |           |             |                    |                    |
|   |           |             |              |                   | Praxis Core Academic Skills for Educators Tests: Mathematics                               |           |             |                    |                    |
|   |           |             |              |                   | PDE 430 Observation (embedded in course VOED 405)  |           |             |                    |                    |
|   |           |             |              |                   | <b>C &amp; T Instructional II Certificate</b>  |           |             | <b>Issue Date:</b> |                    |

## Notes:

Students wishing to take coursework at another institution must complete the online Pre-Approval of Coursework at another College/University.  
[www.iup.edu/registrar/howto/pre-approval-for-coursework-at-another-college-or-university.html](http://www.iup.edu/registrar/howto/pre-approval-for-coursework-at-another-college-or-university.html) This must be done *before* the course is taken.

Students who have earned a Bachelor's Degree are exempt from taking Praxis Core Academic Skills for Educators Tests: Reading and Writing.

*\*Override needed for course registration*

## Career and Technical Education Certification Requirements

| <b>HUMANITIES - 3 Credits</b> (Choose ONE from History, Literature, Philosophy, or Religious Studies ) |   | Term | Grade |
|--|---|------|-------|
| <b>HISTORY:</b>  |   |      |       |
| <b>HIST 196</b> - Exploration in US History  | 3 |      |       |
| <b>HIST 197</b> - Explorations in European History   | 3 |      |       |
| <b>HIST 198</b> - Explorations in Global History   | 3 |      |       |
| <b>LITERATURE:</b>   |   |      |       |
| <b>ENGL 121</b> - Humanities Literature  | 3 |      |       |
| <b>ARHU 122</b> - Big Ideas I: Ancient to Enlightenment  | 3 |      |       |
| <b>ARHU 123</b> - Big Ideas II: Enlightenment to Present   | 3 |      |       |
| <b>FNLG 121</b> - Humanities Literature  | 3 |      |       |
| <b>ENGL 225</b> - Introduction to Literature by Women  | 3 |      |       |
| <b>ENGL 256</b> - Videogames and Digital Literature  | 3 |      |       |
| <b>PHILOSOPHY or RELIGIOUS STUDIES:</b>  |   |      |       |
| <b>PHIL 100</b> - Introduction to Philosophy   | 3 |      |       |
| <b>PHIL 101</b> - Critical Thinking  | 3 |      |       |
| <b>PHIL 122</b> - Contemporary Moral Issues  | 3 |      |       |
| <b>PHIL 130</b> - Introduction to Biomedical Issues  | 3 |      |       |
| <b>PHIL 223</b> - Philosophy of Art  | 3 |      |       |
| <b>PHIL 240</b> - Philosophy and the Good Life   | 3 |      |       |
| <b>RLST 100</b> - Introduction to Religion   | 3 |      |       |
| <b>RLST 110</b> - World Religions  | 3 |      |       |
| <b>RLST 120</b> - Comparative Religious Ethics   | 3 |      |       |

| <b>NATURAL SCIENCE LABORATORY COURSES</b><br>- 4 Credits (Choose ONE) | Cr. | Term | Grade |
|---|-----|------|-------|
| <b>BIOL 103</b> - Life on Earth                                       | 4   |      |       |
| <b>BIOL 104</b> - Human Biology: How the Human Body Works             | 4   |      |       |
| <b>BIOL 106/116</b> - Human Genetics and Health                       | 4   |      |       |
| <b>CHEM 101</b> - College Chemistry I                                 | 4   |      |       |
| <b>CHEM 102</b> - College Chemistry II                                | 4   |      |       |
| <b>CHEM 111</b> - General Chemistry I                                 | 4   |      |       |
| <b>CHEM 112</b> - General Chemistry II                                | 4   |      |       |
| <b>CHEM 113</b> - Advanced General Chemistry I                        | 4   |      |       |
| <b>CHEM 114</b> - Advanced General Chemistry II                       | 4   |      |       |
| <b>GEOS 101/102</b> - The Dynamic Earth w/ lab                        | 4   |      |       |
| <b>GEOS 103/104</b> - Oceans and Atmospheres w/ lab                   | 4   |      |       |
| <b>GEOS 105/106</b> - Exploring the Universe w/ lab                   | 4   |      |       |
| <b>GEOS 111</b> - Earth and Environmental Systems                     | 4   |      |       |
| <b>GEOS 200</b> - Foundations of Geology                              | 4   |      |       |
| <b>GEOS 203</b> - Surficial Processes                                 | 4   |      |       |
| <b>GEOS 204</b> - Historical Geology                                  | 4   |      |       |
| <b>PHYS 111/121</b> - Physics I w/ lab                                | 4   |      |       |
| <b>PHYS 112/122</b> - Physics II w/ lab                               | 4   |      |       |
| <b>PHYS 131/141</b> - Physics I w/ lab (calculus)                     | 4   |      |       |
| <b>PHYS 132/142</b> - Physics II w/ lab (calculus)                    | 4   |      |       |
| <b>PHYS 151/161</b> - Medical Physics w/ lab                          | 4   |      |       |
| <b>SCI 104</b> - Fundamentals of Environmental Biology                | 4   |      |       |
| <b>SCI 105</b> - Physical Science I                                   | 4   |      |       |
| <b>SCI 107/117</b> - Chemistry for Everyone w/ lab                    | 4   |      |       |

| <b>NATURAL SCIENCE NON-LABORATORY COURSES</b><br>- 3 Credits (Choose ONE) | CR. | Term | Grade |
|---|-----|------|-------|
| <b>BIOL 106</b> - Human Genetics and Health                               | 3   |      |       |
| <b>BIOL 107</b> - Introduction to Forensic Biology                        | 3   |      |       |
| <b>BIOL 115</b> - Biotic Diversity of North America                       | 3   |      |       |
| <b>BIOL 117</b> - Understanding HIV Biology and AIDS                      | 3   |      |       |
| <b>BIOL 118</b> - The History of Pain                                     | 3   |      |       |
| <b>BIOL 119</b> - Emerging Diseases                                       | 3   |      |       |
| <b>CHEM 105</b> - The Forensic Chemistry of CSI                           | 3   |      |       |
| <b>CHEM 107</b> - Chemistry of Food and Beverages                         | 3   |      |       |
| <b>GEOS 101</b> - The Dynamic Earth                                       | 3   |      |       |
| <b>GEOS 103</b> - Oceans and Atmospheres                                  | 3   |      |       |
| <b>GEOS 105</b> - Exploring the Universe                                  | 3   |      |       |
| <b>GEOS 119</b> - Geology of Energy Resources                             | 3   |      |       |
| <b>GEOS 150</b> - Geology of National Parks                               | 3   |      |       |
| <b>GEOS 151</b> - The Age of Dinosaurs                                    | 3   |      |       |
| <b>GEOS 152</b> - Physical Resources of the Earth                         | 3   |      |       |
| <b>GEOS 154</b> - Human Exploration of Space                              | 3   |      |       |
| <b>GEOS 155</b> - Geology of Climate Change                               | 3   |      |       |
| <b>GEOS 156</b> - Geology of Natural Disasters                            | 3   |      |       |
| <b>PHYS 101</b> - Energy and Our Environment                              | 3   |      |       |
| <b>PHYS 105</b> - The Physics of Light and Sound                          | 3   |      |       |
| <b>PHYS 111</b> - Physics I Lecture                                       | 3   |      |       |
| <b>PHYS 112</b> - Physics II Lecture                                      | 3   |      |       |
| <b>PHYS 131</b> - Physics I Lecture (calculus)                            | 3   |      |       |
| <b>PHYS 132</b> - Physics II Lecture (calculus)                           | 3   |      |       |
| <b>PHYS 151</b> - Medical Physics Lecture                                 | 3   |      |       |
| <b>SCI 101</b> - Fundamentals of Physics                                  | 3   |      |       |
| <b>SCI 102</b> - Fundamentals of Chemistry                                | 3   |      |       |
| <b>SCI 107</b> - Chemistry for Everyone                                   | 3   |      |       |
| <b>SCI 113</b> - Physics in Science Fiction                               | 3   |      |       |