**Appendix B**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **2010-11 Florida Baccalaureates Awarded in Fields Associated with Targeted Occupations by Higher Educational Sector Production and Bachelor’s Annual Gap** | | | | | | | |
| **CIP** | | **Degrees Awarded by Sector** | | | | |  |
| **Code** | **Title** | **CIE** | **FCS** | **ICUF** | **SUS** | **Total** | **Supply- Demand Gap** |
| **Computer Network Architects (Gap: 439)**  **Computer Systems Analysts (Gap 564)**  **Computer Programmers (Gap: 316)**  **Software Developers—Applications (Gap: 459)**  **Software Developers—Systems Software (Gap: 370)**  **Graphic Designers (Gap: 213)** | | | | | | | **2,361** |
| **11.0101** | Computer and Information  Sciences, General | 62 | 0 | 234 | 481 | 777 |  |
| **11.0103** | Information Technology | 27 | 0 | 60 | 334 | 421 |
| **11.0201** | Computer Programming/  Programmer, General | 204 | 0 | 0 | 0 | 204 |
| **11.0401** | Information Science/Studies | 23 | 0 | 26 | 9 | 58 |
| **11.0501** | Computer Systems  Analysis/Analyst | 40 | 0 | 0 | 0 | 40 |
| **11.0701** | Computer Science | 0 | 0 | 57 | 0 | 57 |
| **11.0801** | Web Page, Digital/Multimedia and Information Resources Design | 39 | 0 | 0 | 0 | 39 |
| **11.0803** | Computer Graphics | 229 | 0 | 2 | 0 | 231 |
| **11.0901** | Computer Systems Networking  and Telecommunications | 38 | 12 | 0 | 0 | 50 |
| **11.1003** | Computer and Information Systems Security/Information Assurance | 120 | 0 | 0 | 0 | 120 |
| **14.0901** | Computer Engineering, General | 1 | 0 | 38 | 239 | 278 |
| **14.0903** | Computer Software  Engineering | 36 | 0 | 23 | 0 | 59 |
| **52.1201** | Management Information  Systems, General | 38 | 0 | 38 | 474 | 550 |
| **50.0102** | Digital Arts | 22 | 0 | 19 | 110 | 151 |
| **50.0401** | Design and Visual  Communications, General | 5 | 0 | 0 | 0 | 5 |
| **50.0404** | Industrial and Product Design | 28 | 0 | 0 | 0 | 28 |
| **50.0409** | Graphic Design | 172 | 0 | 117 | 76 | 365 |

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| **Code** | **Title** | **CIE** | **FCS** | **ICUF** | **SUS** | **Total** | **Supply- Demand Gap** |
| **Middle School Teachers** | | | | | | | **1,024** |
| **13.1203** | Junior  High/Intermediate/Middle  School Education and Teaching | 0 | 0 | 45 | 29 | 74 |  |
| **13.1302** | Art Teacher Education | 0 | 0 | 5 | 44 | 49 |
| **13.1305** | English/Language Arts Teacher  Education | 0 | 0 | 9 | 139 | 148 |
| **13.1306** | Foreign Language Teacher  Education | 0 | 0 | 0 | 11 | 11 |
| **13.1309** | Technology Teacher  Education/Industrial Arts  Teacher Education | 0 | 7 | 0 | 0 | 7 |
| **13.1311** | Mathematics Teacher  Education | 0 | 71 | 7 | 97 | 175 |
| **13.1312** | Music Teacher Education | 9 | 0 | 47 | 103 | 159 |
| **13.1314** | Physical Education Teaching and Coaching | 0 | 0 | 40 | 221 | 261 |
| **13.1316** | Science Teacher  Education/General Science  Teacher Education | 0 | 15 | 2 | 52 | 69 |
| **13.1317** | Social Science Teacher  Education | 0 | 0 | 7 | 182 | 189 |
| **13.1318** | Social Studies Teacher  Education | 0 | 0 | 1 | 0 | 1 |
| **13.1322** | Biology Teacher Education | 0 | 7 | 0 | 0 | 7 |
| **13.1323** | Chemistry Teacher Education | 0 | 1 | 1 | 0 | 2 |
| **13.1324** | Drama and Dance Teacher  Education | 0 | 0 | 0 | 0 | 0 |
| **13.1328** | History Teacher Education | 0 | 0 | 0 | 0 | 0 |

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| **Code** | **Title** | | **CIE** | | | **FCS** | | | **ICUF** | | | **SUS** | | | | **Total** | **Supply-**  **Demand Gap** |
| **Accountants and Auditors (Gap: 862),**  **Financial Analysts (Gap: 109)** | | | | | | | | | | | | | | | | | **971** |
| **52.0301** | Accounting | | 154 | | | 0 | | | 657 | | | 1,951 | | | | 2,762 |  |
| **52.0304** | Accounting and Finance | | 0 | | | 0 | | | 17 | | | 0 | | | | 17 |
| **52.0305** | Accounting and  Business/Management | | 98 | | | 0 | | | 2 | | | 0 | | | | 100 |
| **52.0801** | Finance, General | | 21 | | | 19 | | | 328 | | | 2,605 | | | | 2,973 |
| **Training and Development Specialists** | | | | | | | | | | | | | | | | | **348** |
| **52.1001** | Human Resources Management/  Personnel Administration, General | | | | 3 | 0 | | | | 91 | | 63 | | | | 157 |  |
| **Operations Research Analysts** | | | | | | | | | | | | | | | | | **217** |
| **52.1301** | Management Science | 0 | | | | 0 | | | | 52 | | | 38 | | | 90 |  |
| **Kindergarten Teachers** | | | | | | | | | | | | | | | | | **210** |
| **13.1209** | Kindergarten/Preschool  Education and Teaching | | 0 | | | | 0 | | | | 0 | | | 0 | | 0 |  |
| **13.1210** | Early Childhood Education and  Teaching | | 13 | | | | 27 | | | | 0 | | | 256 | | 296 |
| **Industrial Engineers** | | | | | | | | | | | | | | | | | **177** |
| **14.3501** | Industrial Engineering | | | 0 | | | 0 | | | | 21 | | | 91 | | 112 |  |
| **Medical and Clinical Laboratory Technologists** | | | | | | | | | | | | | | | | | **169** |
| **51.1005** | Clinical Laboratory Science/ Medical Technology/ Technologist | | 0 | | | 0 | | | | 1 | | | 70 | | | 71 |  |
| **Insurance Underwriters** | | | | | | | | | | | | | | | | | **132** |
| **52.1304** | Actuarial Science | 0 | | | | 0 | | | 0 | | | 40 | | | 40 | |  |
| **52.1701** | Insurance | 0 | | | | 0 | | | 0 | | | 69 | | | 69 | |
| **Credit Counselors** | | | | | | | | | | | | | | | | | **118** |
| **52.0803** | Banking and Financial Support  Services | | 8 | | | 0 | | | | 0 | | | 30 | | | 38 |  |
| **Public Relations Specialists** | | | | | | | | | | | | | | | | | **116** |
| **09.0100** | Communication, General | | 0 | | | | | 0 | | | 145 | | | 0 | | 145 |  |
| **09.0101** | Speech Communication and  Rhetoric | | 0 | | | | | 0 | | | 73 | | | 429 | | 502 |
| **09.0900** | Public Relations, Advertising, and  Applied Communication. | | 0 | | | | | 0 | | | 101 | | | 0 | | 101 |
| **09.0902** | Public Relations/Image  Management. | | 0 | | | | | 0 | | | 90 | | | 175 | | 265 |

Source: IPEDS Data Center. (2013). National Center for Education Statistics; Florida ExpertNet; The State University System of Florida.

Note: Institutional Affiliation with Governing Organization was determined through the Florida TalentNet Website: [http://expertnet.org/index.cfm?fuseaction=programs.home.](http://expertnet.org/index.cfm?fuseaction=programs.home) Baccalaureate data include first and second majors.