



What's the SOC?

Standard Occupational Classification (SOC)

- "Classifies all <u>occupations</u> in which work is performed for <u>pay or profit</u>."
- Occupations vs. job titles
 - Direct Match Title File
- The SOC hierarchy:
 - 23 Major Groups
 - 98 Minor Groups
 - 459 Broad Occupations
 - 867 Detailed Occupations

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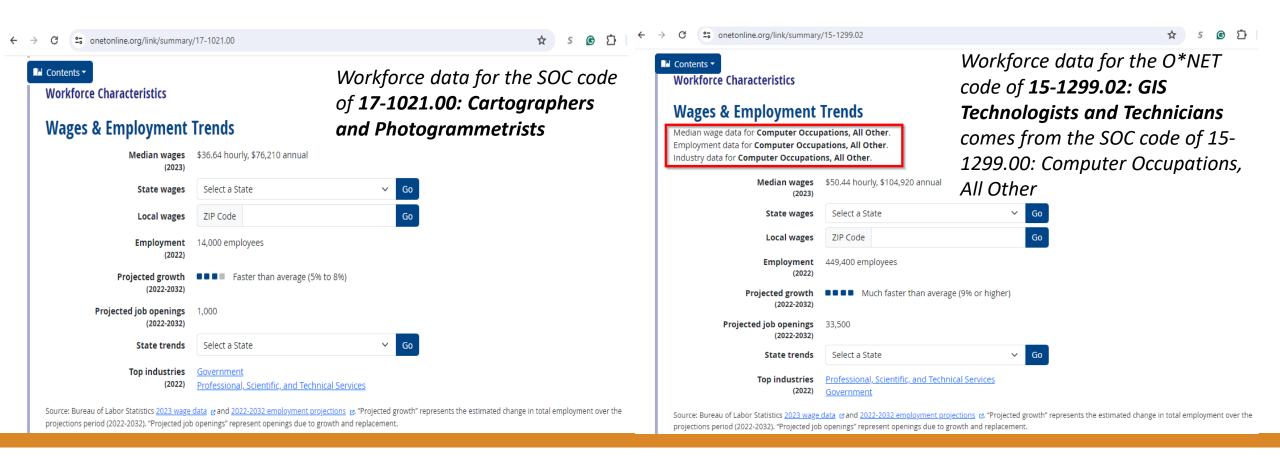
Why should you care?

Implications for schools, employers, students, and job seekers

- Workforce Innovation and Opportunity Act (WOIA) funding and resources
- Academic program development and expansion
- STEM occupation classification
- Occupational information
 - Misleading wage and employment data (only collected for SOC occupations, not O*NET codes)

Why should you care? (Cont.)

Implications for schools, employers, students, and job seekers



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GeoEd Conference Summary: Review current GIS occupations in the SOC System

Placement Logical? Good Title/Description? Need New Code? https://bit.ly/soccode

- Major Group (17-0000: Architecture and Engineering Occupations)
 - Minor Group (17-1000: Architects, Surveyors, and Cartographers)
 - Broad Occupation (17-1020: Surveyors, Cartographers, and Photogrammetrists)
 - Detailed Occupation

(17-1021: Cartographers and Photogrammetrists)

https://bit.ly/3R1XcTu



- Major Group (17-0000: Architecture and Engineering Occupations)
 - Minor Group (17-3000: Drafter, Engineering Technicians, and Mapping Technicians)
 - Broad Occupation (17-3030: Surveying and Mapping Technicians)
 - Detailed Occupation

(17-3031: Surveying and Mapping Technicians)

https://bit.ly/4e0Vewz



- Major Group (15-0000: Computer and Mathematical Occupations)
 - Minor Group (15-1200: Computer Occupations)
 - Broad Occupation (15-1290: Miscellaneous Computer Occupations)
 - Detailed Occupation (15-1299: Computer Occupations, All Other)
 - O*NET Code

(15-1299.02: GIS Technologists and Technicians)

https://bit.ly/3V6xC0W



GeoEd Conference Summary: Review current GIS occupations in the SOC System

Placement Logical? Good Title/Description? Need New Code? https://bit.ly/soccode

- Major Group (19-0000 Life, Physical, and Social Science Occupations)
 - Minor Group (19-4090 Miscellaneous Life, Physical, and Social Science Technicians)
 - Broad Occupation (19-4090 Miscellaneous Life, Physical, and Social Science Technicians)
 - Detailed Occupation (19-4099 Life, Physical, and Social Science Technicians, All Other)
 - O*NET Code

(19-4099.01: Remote Sensing Scientists and Technologists)

https://bit.ly/3XFo27P



- Major Group (19-0000 Life, Physical, and Social Science Occupations)
 - Minor Group (19-4090 Miscellaneous Life, Physical, and Social Science Technicians)
 - Broad Occupation (19-4090 Miscellaneous Life, Physical, and Social Science Technicians)
 - Detailed Occupation (19-4099 Life, Physical, and Social Science Technicians, All Other)
 - O*NET Code

(19-4099.03: Remote Sensing Technicians)

https://bit.ly/4cyjNiL



Potential Proposal

- Major Group (15-0000: Computer and Mathematical Occupations)
 - Minor Group (15-1200: Computer Occupations)
 - Broad Occupation (15-1260: Geospatial Technologists and Technicians)
 - Detailed Occupation (15-1261: GIS Scientists and Technologists)
 - O*NET code: (15-1261.01 GIS Developers)
 - Detailed Occupation (15-1262: GIS Technicians)
 - Detailed Occupation (15-1263: Remote Sensing Scientists and Technologists)
 - O*NET code: (15-1263.01 Photogrammetrists)
 - Detailed Occupation (15-1264: Remote Sensing Technicians)

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15-0000 Computer and Mathematical Occupations

- 15-0000 <u>Computer and Mathematical Occupations</u>
 - 15-1200 Computer Occupations
 - 15-1210 Computer and Information Analysts
 - 15-1211 <u>Computer Systems Analysts</u>
 - 15-1212 <u>Information Security Analysts</u>
 - 15-1220 Computer and Information Research Scientists
 - 15-1221 Computer and Information Research Scientists
 - 15-1230 Computer Support Specialists
 - 15-1231 Computer Network Support Specialists
 - 15-1232 Computer User Support Specialists
 - 15-1240 Database and Network Administrators and Architects
 - 15-1241 <u>Computer Network Architects</u>
 - 15-1242 <u>Database Administrators</u>
 - 15-1243 <u>Database Architects</u>
 - 15-1244 <u>Network and Computer Systems Administrators</u>
 - 15-1250 Software and Web Developers, Programmers, and Testers
 - 15-1251 <u>Computer Programmers</u>
 - 15-1252 <u>Software Developers</u>
 - 15-1253 <u>Software Quality Assurance Analysts and Testers</u>
 - 15-1254 Web Developers
 - 15-1255 Web and Digital Interface Designers
 - 15-1290 Miscellaneous Computer Occupations
 - 15-1299 <u>Computer Occupations, All Other</u>

Significant SOC Revisions

Propose significant changes (e.g. occupation title, description, new SOC code, etc.) by submitting a public comment to the SOC Policy Committee (SOCPC).

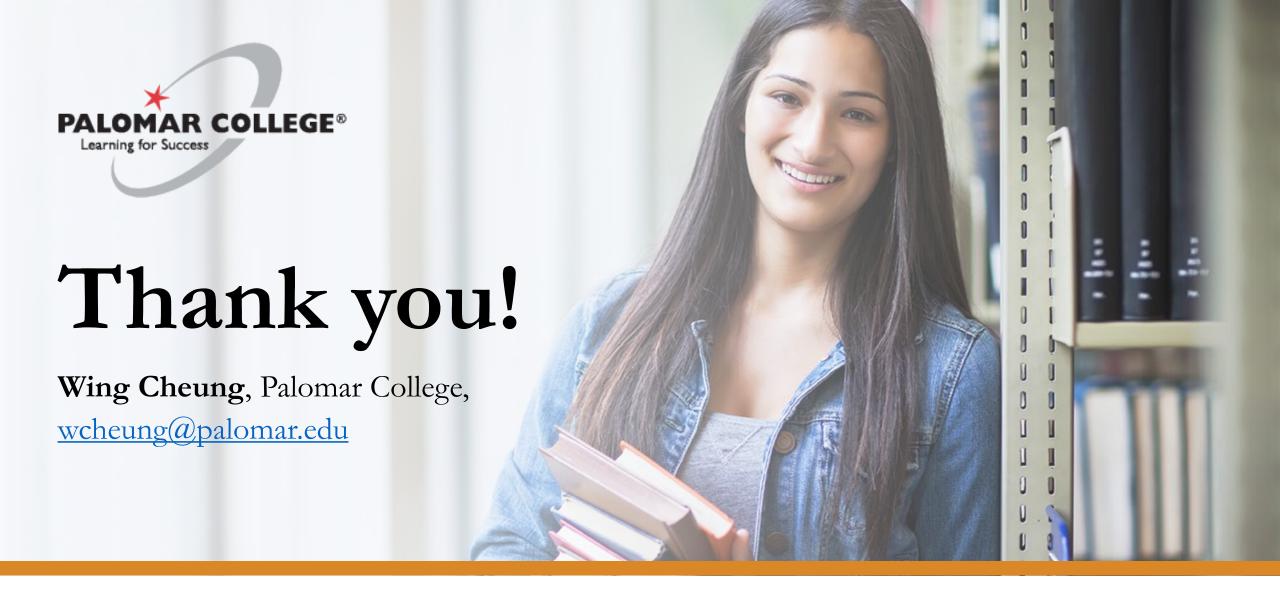
- The SOC System classifies all of the nation's workers into 867 detailed occupations. It is revised every <u>TEN</u> years. Public comments accepted <u>between 6/12/24 and 8/12/24</u>. (https://bit.ly/socfr1)
- SOC Classification Principles: https://www.bls.gov/soc/2018/soc 2018 class prin cod guide.pdf
 - Principle 9: <u>Collectability</u> The Bureau of Labor Statistics or the Census Bureau must be able to collect and report sufficient data for a SOC occupation.

Significant SOC Revisions (Cont.)

Propose significant changes (e.g. occupation title, description, new SOC code, etc.) by <u>submitting a public comment</u> to the SOC Policy Committee (SOCPC).

- Eleven "desired focus of comments":
 - 1. <u>Proposed occupation title</u>
 - 2. Description of nature of the work performed
 - 3. Compare and contrast with existing SOC occupations
 - 4. <u>Job titles</u>
 - 5. Number of jobs or workers in the occupation
 - 6. Types of employers
 - 7. Education and training
 - 8. <u>Licensing</u>
 - 9. Tools and technologies
 - 10. Professional trade association and unions
 - 11. STEM categories





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