Academic Program Proposal Resource for CIPs, SOCs, and KSAs

Question 24: Using IPEDS data, list the supply of graduates in the program and related programs in the service area.

Use CIP Codes from NCES to Identify Programs		Use IPEDS Data from Qlik for Supply & Competitor (USG or Region within Georgia)	
Similar or Related Degrees/Programs	CIP Code	Supply[1] (Graduates/Completers)	Competitor Institutions[2]

[1] Supply = Number of program graduates last year within the study area

[2] Competitors = List other USG institutions that offer this or similar programs in the area.

How to obtain the information for question 24:
Columns 1 & 2

- Use the National Center for Education Statistics CIP Site https://nces.ed.gov/ipeds/cipcode/default.aspx?y=56
- *Make sure the CIP box at the top of the page says 2020 (the default is 2010)*
- Use the Search Box keyword search to determine possible CIP codes.
- If there is no definitive CIP for your program, it might be helpful to start by searching for a likely SOC-related job title in the 2020 CIP to 2018 SOC Crosswalk and work backward.

Columns 3 & 4

- IPEDS data in Qlik will return Completions and Competitor Institutions
  - http://dataviz.usg.edu
- Select *BOR Data*, *IPEDS Degrees Awarded Dashboard*, *Degrees Awarded Summary App*
  - Select the most recent Academic Year Filter
  - Select the CIP Code from the CIP Code 2020 Filter
  - Expand the Total Degrees Awarded by Institutional Factor to determine if similar degrees or programs within the Service Area are defined in Question 22.
    - If no programs exist in the service area or the state, enter 0 for Supply and NA for Competitor Institutions.
    - If programs exist, copy the information into the Supply and Competitor Columns.
      - All related CIP codes for the proposed program should be used due to variations in curricula.

Question 25: Based on the program's study area, what is the employment outlook for occupations related to the program? An Excel version of the CIP to SOC crosswalk is also available from NCES. If data for the study area is unavailable, use state or national-level data. List only the jobs that are highly aligned and likely to be those for which you are preparing students, not every possibility.

How to obtain the information for question 25:
O*NET can provide all the information you need to complete the table below.

- Use the O*NET Education Crosswalk Search to find the SOC Codes/Occupations. https://www.onetonline.org/crosswalk/CIP/ The SOC code you use should align with the education level of the degree.
- Use the applicable SOC codes to find Georgia's Wages & Employment Trends.
  - If your program will graduate students who will find employment across several related areas, you may need to search the SOC codes at the 2-digit Major Group, the 4-digit Minor Group, or the 5-digit Broad Occupation Group to accurately reflect the employment and projected growth.
  - If your program will graduate students who will find employment in a specialized field, you should search using the 6-digit Detailed Occupation Code.
- If you want more granular employment trends for your area, use Qlik. Select Georgia Data: County Guide Labor, Occupation Projections for Georgia App and search by SOC code and Local Workforce Development Area (LWDA).
- Use the MEDLI tool for assistance with employment gaps within your service area.

Labor Market/Career Placement Outlook/Salary:

O*NET Education Crosswalk SOC codes	O*NET Outlook for Georgia	O*NET Employment Trends for Georgia		Georgia Wages Full Details from O*NET	
Occupation (should align with the program level)	O*Net[1]	Current Employment	% Projected Growth	Average Salary (Use Annual Median $)	Future Earnings Potential (Use Annual High 90%)

[1]National Center for O*NET Development. *O*NET OnLine*. Retrieved [include date] from https://www.onetonline.org/

Other Possible resources:
- U.S. Bureau of Labor Statistics Occupational Projections Data (National Data) https://data.bls.gov/projections/occupationProj
- Click **here** for US and Georgia occupation projections (search by job title)
- For a custom Georgia geography – request a Jobs EQ report from USG Academic Innovation

Question 27: Using data from *O*-Net,* list at least three technical skills and three Knowledge, Skills, and Abilities (KSAs) associated with the related occupations. This information can be found using at onetonline.org.

How to obtain the information for question 27:
- Option 1: Search O*NET by SOC Code(s) most related to the proposed degree level (see Question 25 Use the Custom Tab to build a report containing:
    - Technology Skills: Specific to the graduate's future employment
    - Knowledge: Choose a *Minimum Importance of 70*
    - Skills: Choose a *Minimum Importance of 70*
    - Abilities: Choose a *Minimum Importance of 70*
- Option 2: Use accepted industry or accreditation-related standards (please cite the source if using option 2).

Same as Q25		A least 3 with minimum score of 70 from Custom O*NET report
Occupation	**SOC Code**	**Occupation specific technology skills & KSAs**
		Knowledge **Skills** **Abilities** **Technology Specific Skills**

Provide any additional comments, if needed:

Sources of Information

CIP
- National Center for Education Statistics
  https://nces.ed.gov/ipeds/cipcode/default.aspx?y=56
- NCES Introduction to the Classification of Instructional Programs: 2020 Edition
  https://nces.ed.gov/ipeds/cipcode/Files/2020_CIP_Introduction.pdf
- Department of Homeland Security List of STEM-related CIP Codes
  https://www.ice.gov/doclib/sevis/pdf/stemList2022.pdf

SOC
- O*NET Education Crosswalk
  https://www.onetonline.org/crosswalk/CIP/
- CIP-SOC Crosswalk
  https://nces.ed.gov/ipeds/cipcode/Files/CIP2020_SOC2018_Crosswalk.xlsx
- SOC User Manual for SOC Descriptions
  https://www.bls.gov/soc/2018/soc_2018_manual.pdf

KSA
- https://www.onetonline.org/

Qlik
- http://dataviz.usg.edu/

MEDLI Workforce Tool (Matching Employment Demand with Local Institutions)
- MEDLI_V1.xlsx