

## Sample Questions

Please use the examples below to assist you in completing questions to gather more information about the root cause of lack of participation or completion of NTO courses.

Name and Number of Selected CIP or Pathway  
**Engineering & Technology-Mechanical Engineering**

Selected Root Cause Category  
**Family**

Selected Root Cause  
**Family Characteristics**

Question  
**Do your students' parents know about the range of options? Do they understand what engineering is?**

Question  
**Do parents know someone that works in STEM & STEM-related areas?**

Question  
**Do parents think they influence their child's decisions?**

Name and Number of Selected CIP or Pathway  
**Mechanical Engineering**

Selected Root Cause Category  
**Internal/Individual**

Selected Root Cause

Question

Question

Question

Name and Number of Selected CIP or Pathway  
**Engineering & Technology Pathway 141901-Mechanical Engineering**

Selected Root Cause Category  
**Education**

Selected Root Cause  
**Academic Proficiency**

Question

Question

Question

Name and Number of Selected CIP or Pathway  
**Engineering & Technology Pathway 141901-Mechanical Engineering**

Selected Root Cause Category  
**Career information**

Selected Root Cause  
**Early Intervention**

Question

**Do middle school/  
elementary counselors  
provide career  
information on  
mechanical drafting?**

Question

**Are middle school  
teachers provided  
professional  
development on  
nontraditional careers?**

Question

**Are middle and  
elementary students  
provided with hands-on  
career exploration  
opportunity?**

Name and Number of Selected CIP or Pathway  
**Engineer & Technology Pathway**  
**140101 Engineering**

Selected Root Cause Category  
**Career Information**

Selected Root Cause  
**Materials & Practice:  
Assessment, Interest, etc**

Question  
**What are the recruitment  
practices?**

Question  
**How can math, science,  
and tech collaborate with  
the engineering teachers?**

Question  
**How do you inform  
students of real world  
benefits of engineering?**

Name and Number of Selected CIP or Pathway  
**Mechanical Engineer 141901 Engineering**

Selected Root Cause Category  
**Education**

Selected Root Cause  
**Academic Proficiency**

Question  
**Are girls being taught  
visual/spatial skills?**

Question  
**Are girls encouraged to  
pursue courses that teach  
visual spatial skills?**

Question  
**what video games that  
employ visual spatial skills  
are available to girls?**