



# Problem-Solving Rubric

Problem-solving is the process of designing, evaluating and implementing a strategy to answer an open-ended question or achieve a desired goal. WSU Tech recognizes the importance of problem-solving skills in the 21<sup>st</sup> workplace. As a result, problem-solving is one of four outcomes all graduates should be able to demonstrate upon completion of their program coursework. WSU Tech utilizes a standard rubric for the assessment of problem-solving. A score of 80% or better is considered proficient.

Criteria	Exemplary	Proficient	Emerging	Limited
<b><i>Identify the problem</i></b>	The student anticipates different kinds of problems in complicated projects and thinks of ways to solve before they occur.	The student anticipates different kinds of problems in complicated projects and thinks of ways to avoid them.	The student sometimes anticipates complicated projects but, usually does not think of ways to avoid them.	The students has a difficult time anticipating problems before they occur.
<b><i>Analyze the problem</i></b>	The student carefully analyzes all the characteristics of problem before beginning to solve it.	The student thinks carefully about a problem before trying to solve it.	The student sometimes starts to solve the problem before thinking about it.	The student usually starts to solve the problem before thinking about it.
<b><i>Identify the relevant information</i></b>	The student clearly identifies important information needed to solve complex problems.	The student separates important information from unimportant information when solving problems.	The student sometimes needs help identifying important information when solving problems.	The student often misses important information when solving problems.
<b><i>Use Strategies to solve the problem</i></b>	The student uses subject area strategies, tools, and knowledge to solve problems even when they are not school assignments.	The student uses subject area strategies, tools, and knowledge to solve problems.	If the student is reminded, he/she uses subject area strategies, tools, and knowledge to solve problems.	The student does not use subject area strategies, tools and knowledge to solve problems.
<b><i>Reflect on the problem-solving process</i></b>	The student reflects on their problem solving processes, evaluates how well they are working, and makes changes when necessary.	The student reflects on their problem-solving processes by thinking about what they did well and what they can do better.	The student sometimes thinks about how they solved a problem after they are finished.	The student hardly ever thinks about how they solved a problem after they are finished.