

Machine Shop Skills

| | A | B | C | D | F |
|---|---|---|--|---|---|
| Job Completion | The job was 100% complete and worked according to the task description. | The job was complete and worked, but needed minor modifications. | The job was complete but did not work; needed several minor modifications. | The job was complete but did not work; needed several major modifications. | The job was incomplete and did not work. |
| Program (Mastercam) | The programs meet all standards and displayed critical thinking and time management. | The program meet most standards and completed the part. | The program completed the part with the exception time management and sequence. | The program did not complete the part; the student applied moderate effort. | The program did not complete the part and no effort was observed. |
| Ability to Follow Directions | Followed directions to the letter. | Followed directions. | Moderately followed directions. | Did not follow directions. | Did not appear concerned with directions. |
| Demonstrated Knowledge of Theory | Student knows and is able to identify and explain necessary theories for completion of the project. | Student is able to identify and explain necessary theories for completion of the project with some assistance. | Student is unable to identify or explain concepts without major prompting. | Student is not able to both identify and explain major theories. | Student is unable to either identify or explain any related theories to the project. |
| Level of Needed Assistance | Student was able to complete the task without assistance. | Student was able to complete the task with little assistance. | Student was able to complete the task with moderate assistance. | Student was unable to complete task without major assistance. | Student was unable to complete task with assistance. |
| Student Preparedness | Student had/gathered all materials and was completely ready to go to work. | Student had/gathered most materials and went to work. | Student had/gathered most materials, however, they needed excess time to do so. | Student did not have/gather some of the needed materials to perform work. | Student did not have/gather the needed materials and was unable to perform work. |
| Time Management | Routinely used time well throughout the project to get the job done on time. | Used time fairly well throughout the project. | Procrastinated somewhat but did get the job done on time. | Was unable to adequately meet timeline due to inability. | Did not meet timeline due to procrastination or wasting time. |
| Care of Machine, Tools & Cleanup | Student took great care of the precision tools & and equipment that he or she used. All tools where returned to tool room & the machine and work area was cleaned properly. | Student took some care with the precision tools & equipment. Work area & machine where partially cleaned. Some tools not returned to tool room. | Little care was taken with tools & machine. Few tools where returned to the tool room. Machine and work area not week cleaned. | Student failed to take care of tools and or did not clean the machine. | Student was careless with tools & or machine resulting in broken tools or equipment. Student did not return tools to the tool room and also did not clean machine and assigned work area. |
| Application of Safety Practices | Student followed all safety rules. | Student followed most safety rules, may have forgotten one. | Student attempted to follow safety rules but failed to meet several. | Student failed to follow a significant number of safety rules. | Student made no effort to follow safety rules. |