|  |  |
| --- | --- |
| Title | **Perform AutoCAD 2D fundamentals** |
| Level | **2** | **Credits** | **6** |

|  |  |
| --- | --- |
| Purpose | The competency standard is designed to provide knowledge and skills to create geometric entities quickly and accurately. In learning to use a CAD system, lines and circles are the first two, and perhaps the most important two, geometric entities that one should master the skills of creating and modifying. |

|  |  |
| --- | --- |
| Classification ISCED | 0611 Computer use |

|  |  |
| --- | --- |
| Available grade | Competent / Not yet competent |

|  |  |
| --- | --- |
| Modification history | N/A |

|  |  |  |
| --- | --- | --- |
| **Competency Unit** | **Performance Criteria** | **Knowledge and Understanding** |
| **B1.****Control display in drawings** | **Trainee will be able to:****P1.** Create AutoCAD drawing files.**P2.** Save AutoCAD drawing files in proper format.**P3.** Operate the AutoCAD visual reference commands Including:* Zoom Extent
* Drawing LIMITS
* Status Bar
* GRID Display
* PAN Real time
 | **Trainee will be able to:****K1.** Describe the quality, condition, or fact of being exact and accurate which is also called Precision**K2.** Identify the different AutoCAD visual reference commands |
| **B2:****Create basic drawings** | **Trainee will be able to:****P1.** Execute Line commands including:* Format
* Units Setup
* LINE command
* Coordinates
* Interactive Input method
* SNAP Option
* World space
 | **Trainee will be able to:****K1.** Recognize the various Line commands |

|  |  |  |
| --- | --- | --- |
|  | * User coordinate system
* World coordinate system
* UCS icon Display

**P2.** Use Circle commands Including:* + TTR
	+ Relative Coordinate
	+ Coordinate systems
	+ Cartesian coordinate system
	+ Absolute coordinates
	+ Positions
	+ Defining LINE
	+ Close option
	+ CIRCLE command
	+ TTT

**P3.** Define Positions using the Basic Entry methods | **K2.** Choose the required Circle command for specific purpose**K3.** Recall the ARC command |
| **B3:****Manipulate objects as desire** | **Trainee will be able to:****P1.** Identify the ERASE command**P2.** Recognize the AutoCAD Pan Realtime option | **Trainee will be able to:****K1.** Explain ERASE command**K2.** Describe Selection window |