

A comprehensive approach to mechanical competency in 7 Seminars covering all aspects of GD&T.

Choose your track by job function and increase your company's Capability and Profits.

INTERNATIONAL INSTITUTE OF
GEOMETRIC DIMENSIONING & TOLERANCING
12159 Quail Ave Lane N · Stillwater, MN 55082 · 651-275-8952
www.iigdt.com



Recommended Educational Tracks to Achieve Mechanical Proficiency by Job Function

Functional Business Area	Job Function	GD&T Proficiency	Recommended Educational Track or Equivalent Knowledge (Seminar #)							Total Class Hours	Total CE Units	Seminar #	Class Hours	Class Name
			4	8	16	16	16	24	16					
Executive Management	Director	Understanding Business Implications of GD&T	1							4	0.4	1	4	Business Overview of GD&T & Understanding Business Implications
	VP	Understanding Business Implications of GD&T	1							4	0.4	2	8	Mechanical Drawing Interpretation (Basic Blueprint Reading)
Purchasing / Sourcing	Manager	Understanding Business Implications & Conceptual knowledge of GD&T	1	2	3					28	2.8	3	16	GD&T Introduction & Fundamental Principles (Interpretation)
	Account Representatives - (mechanical)	Understanding Business Implications & Conceptual knowledge of GD&T	1	2	3					28	2.8	4	16	GD&T Advanced Applications (Applications)
	Supplier Technician (non-mechanical)	Understanding of Mechanical Drawings		2						8	0.8	5	16	Tolerancing Optimization & Analysis (Analysis)
	Receiving Inspector (non-mechanical)	Understanding of Mechanical Drawings		2						8	0.8	6	24	Applied Dimensional Metrology
	Receiving Inspection Technician (non-mechanical)	Understanding of Mechanical Drawings		2						8	0.8	7	16	Measurement Uncertainty
	Supplier Engineer (non-mechanical)	Conceptual knowledge of GD&T		2	3					24	2.4			
	Supplier Technician (mechanical)	Applied working knowledge of GD&T & Measurement		2	3	4		6		64	6.4			
	Receiving Inspection Technician (mechanical)	Applied working knowledge of GD&T & Measurement		2	3	4		6		64	6.4			
	Receiving Inspector (mechanical)	Applied working knowledge of GD&T & Data Validity		2	3	4		6	7	80	8			
	Supplier Engineer (mechanical)	Applied working knowledge of GD&T & Data Validity		2	3	4		6	7	80	8			
	Measurement Engineer	Command of GD&T Principals, Practices, Tolerancing & Data Validity		2	3	4	5	6	7	96	9.6			
Manufacturing	Manager	Understanding Business Implications & Conceptual knowledge of GD&T	1	2	3					28	2.8			
	Mechanical Assembly	Understanding of Mechanical Drawings		2						8	0.8			
	Machine Operator	Conceptual knowledge of GD&T		2	3					24	2.4			
	Process Technician	Applied working knowledge of GD&T & Measurement		2	3	4		6		64	6.4			
	Process Engineer	Command of GD&T Principals, Practices, Tolerancing & Data Validity		2	3	4	5	6	7	96	9.6			
Quality / Measurement	Manager	Understanding Business Implications & Conceptual knowledge of GD&T	1	2	3					28	2.8			
	Quality-Engineer - non-mechanical	Conceptual knowledge of GD&T		2	3					24	2.4			
	Measurement Technician	Applied working knowledge of GD&T & Measurement		2	3	4		6		64	6.4			
	Inspector (mechanical)	Applied working knowledge of GD&T & Measurement		2	3	4		6		64	6.4			
	Measurement Engineer Quality-Technician	Applied working knowledge of GD&T & Data Validity		2	3	4		6	7	80	8			
	Quality-Engineer (mechanical)	Command of GD&T Principals, Practices, Tolerancing & Data Validity		2	3	4	5	6	7	96	9.6			
	Metrologist (Physical Measurement)	Command of GD&T Principals, Practices, Tolerancing & Data Validity		2	3	4	5	6	7	96	9.6			
	Statistician	Command of GD&T Principals, Practices, Tolerancing & Data Validity		2	3	4	5	6	7	96	9.6			
	Black Belt	Command of GD&T Principals, Practices, Tolerancing & Data Validity		2	3	4	5	6	7	96	9.6			
Trainer	Command of GD&T Principals, Practices, Tolerancing & Data Validity		2	3	4	5	6	7	96	9.6				
Design	Manager	Understanding Business Implications & Conceptual knowledge of GD&T	1	2	3					28	2.8			
	Drafter	Applied working knowledge of GD&T		2	3	4				40	4			
	Designer	Command of GD&T Principals, Practices, Tolerancing & Data Validity		2	3	4	5	6	7	96	9.6			
	Engineer	Command of GD&T Principals, Practices, Tolerancing & Data Validity		2	3	4	5	6	7	96	9.6			
Tool Room	Manager	Understanding Business Implications & Conceptual knowledge of GD&T	1	2	3					28	2.8			
	Machine Operator	Conceptual knowledge of GD&T		2	3					24	2.4			
	Machinist	Applied working knowledge of GD&T & Measurement		2	3	4		6		64	6.4			
	Tool Maker	Applied working knowledge of GD&T & Measurement		2	3	4		6		64	6.4			
Regulatory	Manager	Understanding Business Implications & Conceptual knowledge of GD&T	1	2	3					28	2.8			
	Engineer	Understanding of Mechanical Drawings		2	3					24	2.4			
Sales	Manager	Understanding Business Implications & Conceptual knowledge of GD&T	1	2	3					28	2.8			
	Sales	Conceptual knowledge of GD&T		2	3					24	2.4			
	Applications Engineer	Applied working knowledge of GD&T & Measurement		2	3	4		6		64	6.4			