

CURRICULUM HIGHLIGHT	FEATURED QUALITATIVE GUIDELINE	LEVEL			Relevance	Priority	Applicability
		Beginner	Intermediate	Advanced	(/20)	(/20)	(/20)
					Purpose to cover industry needs	Priority to cover industry needs	Easiness to implement to cover industry needs
Technology Awareness	Micro and nano scale manufacturing techniques should be included as a Topic.		X	X	11	7	10
	Bioprinting and related materials should be included as a topic.			X	10	7	7
	4D printing and its materials should be included as a topic.			X	10	9	7
Design Perspective	Optimisation tools should be included	X			16	14	16
	Topology optimization software should be thought	X			18	16	18
	DfAM and generative design approach should be included	X			17	15	17
Material Knowledge	Materials and their metallurgy should be included as AM topic	X			18	16	17
	Characterization of materials in AM processing should be thought		X		16	15	16
	New and challenging materials should be thought			X	17	15	16
	Should be included as a separate section			X	14	14	14
Process Development	Process development stages should be thought for each AM process	X			16	14	16
Process Simulation	One of the AM process simulation software should be included and practically thought in the course.	X			20	19	17
Post-Processing	Post-processing of AM parts should be included as separate AM topic	X			19	19	18
	AM Specific Post-processing methods like HIP should be included as separate AM topic			X	14	13	13
Machine Operating	Practical training should be given at least 20% of the training hour.		X	X	19	15	9
Machine Use and Maintenance	Practical training should be given	X	X	X	12	11	9
Factory Design for AM line production	AM production planning topic should be given as a separate section		X	X	15	15	16
	Should be included in a separate chapter as Digitalization of AM		X	X	14	12	13
Process Control	Should be included as a separate Chapter as 'Quality Assurance in AM'			X	17	17	16
	Should be included in 'Quality Assurance in AM' Chapter			X	17	17	15
	Should be thought included as a separate section in a chapter			X	12	11	11
Artificial Intelligence Integration	Should be included as a separate section			X	16	16	16
	Adding topics related to quantitative assessment of circularity and sustainability of AM using LCA and similar tools			X	17	18	17
	Adding topics related to technologies (imaging and thermal) and methods for in-line process monitoring			X	13	11	11
Data Processing and Security	Adding topics related to technologies and methods for post-process monitoring			X	14	13	14
	Adding the topics related to specific software for path planning and optimization and logistics			X	12	11	9
	Adding topics related practical skills for AM operators			X	17	14	13