

Math of Industry & Government (MIG) Teaching & Learning Framework								
Semester 1				Semester 2				
Unit 2 6 weeks	Unit 4 3 weeks	Unit 5 5 weeks	Unit 6 4 weeks	Unit 9 4 weeks	Unit 10 3 weeks	Unit 11 3 weeks	Unit 14 4 weeks	Unit 15 4 weeks
Finding Optimal Solutions: Maximization	Finding Optimal Solutions	Integer Programming	Binary Programming	Critical Path Method	Critical Path	Decision Trees	Poisson Distribution	Normal Distribution
DD1b-e Advanced Linear Programming	DD1b-e Advanced Linear Programming	DD1a-e Advanced Linear Programming	DD1a-e Advanced Linear Programming	DD3a-c Determine optimal paths	DD3a-c Determine optimal paths	PD3d Use Probabilistic Models	PD2a-c Properties of distributions for optimization & efficiency	PD1a-c Properties of normal distribution
These units were written to build upon concepts from prior units, so later units contain tasks that depend upon the concepts addressed in earlier units. All units will include the Mathematical Practices and indicate skills to maintain								

NOTE: Mathematical standards are interwoven and should be addressed throughout the year in as many different units and tasks as possible in order to stress the natural connections that exist among mathematical topics.

Deterministic Decision Making: DD

Probabilistic Decision Making: PD

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Block Schedule

Unit 2 3 weeks	Unit 4 1.5 weeks	Unit 5 2.5 weeks	Unit 6 2 weeks	Unit 9 2 weeks	Unit 10 1.5 weeks	Unit 11 1.5 weeks	Unit 14 2 weeks	Unit 15 2 weeks
Finding Optimal Solutions: Maximization	Finding Optimal Solutions	Integer Programming	Binary Programming	Critical Path Method	Critical Path	Decision Trees	Poisson Distribution	Normal Distribution
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