



DEFENSE ACQUISITION UNIVERSITY
STM 101 Introduction to Science and Technology Management

151116

*Course Learning/Performance Objectives followed by its
enabling learning objectives on separate lines if specified.*

1	Recognize the Importance of Science and Technology to the Defense Acquisition System
	Define Science and Technology as used in the DoD
	Recognize the Importance of Science and Technology in achieving DoD objectives, especially in supporting acquisition programs
2	Identify DoD policy and guidance that impact Science and Technology programs
	Recognize the relationship of DoD strategic planning and guidance on Science and Technology planning
	Identify key responsibilities in DoD Science and Technology efforts
	Recognize the purpose and features of the Better Buying Power and Reliance 21 initiatives
3	Describe the factors that facilitate successful technology transition
	Describe key transition paths for Science and technology in the DoD
	Identify transition planning considerations and issues
	Recognize the use and importance of the Technology Roadmap in transition planning
4	Recognize the business related considerations that need to be addressed in Science and Technology planning
	Recognize considerations related to costing and resourcing the Science and Technology effort
	Identify major acquisition instruments/arrangements used in Science and Technology programs and planning considerations associated with them
	Recognize Science and Technology planning needs related to intellectual property and interface issues
	Recognize tools and techniques that can be used to monitor performance
5	Describe the stage-gate process and its associated tools used during execution of S&T programs
	Recognize key aspects of the stage-gate process
	Describe the use of Technology Readiness Levels and Manufacturing Readiness Levels
	Describe the use of Technology Readiness Assessments
	Describe the use of verification and validation
	Describe the characteristics of risk and opportunity analysis/management