



DEFENSE ACQUISITION UNIVERSITY
STM 203 Intermediate Science & Technology Management

170201

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

1	<p>Upon completion of this lesson, the student will be able to evaluate the technical and business elements for the initiation of a technology project.</p> <p>Evaluate technology candidates to determine a preferred technology candidate using a structured method.</p> <p>Evaluate an integrated schedule needed for technology demonstration within given constraints.</p> <p>Evaluate the financial resources needed for technology demonstration within budgetary constraints.</p> <p>Assess the planned technology demonstration to identify risks and uncertainty.</p> <p>Evaluate issues for technology transition, including direct to the war fighter and transition to industry.</p>
2	<p>Upon completion of this lesson, the student will be able to explain changing requirements and the technical and business elements of an advanced development technology project.</p> <p>Prepare technology plans in response to urgent warfighter needs.</p> <p>Assess progress against TRL requirements and exit criteria.</p> <p>Revise technology maturation plans based on emerging opportunities.</p> <p>Select a contracting strategy to implement changes.</p> <p>Select exit criteria and test procedures for the flight demonstration.</p> <p>Identify external coordination required for the flight demonstration.</p> <p>Prepare the S&T Activity section of a Technology Transition Agreement (TTA).</p> <p>Identify spectrum certification requirements.</p> <p>Assess data rights of the government and contractor.</p>
3	<p>Upon completion of this lesson, the student will be able to evaluate the technical and business elements to successfully complete transition of an advanced development technology project to an acquisition Program of Record.</p> <p>Assess technology transition readiness against exit criteria.</p> <p>Determine the TRL and MRL of technologies</p> <p>Implement mature technologies in accordance with technology transition plans and agreements</p> <p>Respond to challenges that inhibit technology</p> <p>Identify risks to technology transition</p> <p>Adjust technology plans to respond to budget changes</p> <p>Assess whether software development is using best practices.</p> <p>Evaluate data sharing issues.</p> <p>Apply technology security considerations.</p> <p>Evaluate patent rights of the contractor.</p>
4	<p>Students will be able to analyze key issues related to transitioning technology to acquisition programs</p> <p>Analyze transition issues.</p> <p>Identify potential tools to help the transition process.</p> <p>Implement effective transition strategies</p>
5	<p>Given a technology program scenario, students will be able to describe requirements and metrics for managing the team, affordability, technology</p> <p>Describe the principles of transition and affordability in an S&T project.</p> <p>Describe the value and application of management tools for S&T project management.</p> <p>Relate dissimilar metrics of cost, schedule and performance for an integrated S&T project strategy.</p>