

## Amarillo College Curriculum Map Template

<b>Division:</b>	Health Services
<b>Degree/Academic Program(s):</b>	Medical Laboratory Technology (MLAB.AAS)
<b>Dean:</b>	Kim Crowley
<b>Chair/Director/Coordinator:</b>	Kim Boyd, Associate Professor/Program Director
<b>Submission Date:</b>	06/08/2020
<b>Purpose Statement:</b>	The purpose of the Medical Laboratory Technology program at Amarillo College is to provide students with the academic knowledge, the technical training, and the professional skills to enable them to serve as vital members of the healthcare team, within the framework of the Medical Laboratory Technician, in order to enhance the quality of life for individuals in and beyond our service area

**Goal #1:** Graduates will demonstrate the cognitive knowledge for clinical decision-making, information management, and regulatory compliance, including evaluation and assessment of quality control and quality assurance/improvement best practices, wherever laboratory testing is researched, developed, or performed.

Program-Specific Courses	<b>PLO #1:</b> Students will prepare case study presentations that involve safety, clinical decision-making, information management, education, and regulatory compliance topics	<b>PLO #2:</b> Students will perform statistical calculations for quality control and quality assurance/improvement; evaluate results; and formulate a plan of action to correct erroneous results.
<b>MLAB 1201</b>	<b>I</b>	<b>I, D</b>
<b>MLAB 1415</b>	<b>D</b>	<b>D</b>
<b>MLAB 1127</b>	<b>D</b>	<b>D</b>
<b>MLAB 1211</b>	<b>D</b>	<b>D</b>
<b>MLAB 2473</b>	<b>D</b>	<b>D</b>
<b>MLAB 2434</b>	<b>D</b>	<b>D</b>
<b>MLAB 2401</b>	<b>D</b>	<b>D</b>
<b>MLAB 2266</b>	<b>M</b>	<b>M</b>
<b>MLAB 1231</b>	<b>M</b>	<b>M</b>
<b>MLAB 2267</b>	<b>M</b>	<b>M</b>
<b>MLAB 2232</b>	<b>M</b>	<b>M</b>
<b>MLAB 2338</b>	<b>M</b>	<b>M</b>

**I = Introduced; D = Developed & Practiced with Feedback; M = Demonstrated at Mastery**

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**Goal #2:** Graduates will demonstrate graduate/entry level technician skills and knowledge by their performance of routine and special clinical laboratory tests as the primary analyst; making specimen oriented decisions based on predetermined criteria; possession of a working knowledge of critical values; and initiation of reflex testing and synthesis of action plans, based on global test information and collaborative consultations with healthcare teams.

Program-Specific Courses	<b>PLO #1:</b> Students will demonstrate competency in basic laboratory testing by accurately performing laboratory testing in the student lab; interpreting normal and abnormal test results; and relating test results to the development of disease.	<b>PLO #2:</b> Students will demonstrate competence by attaining a score of 70% or greater on their clinical/practicum competency task lists, indicating graduate/entry level competence, as evaluated by laboratory professionals in the clinical environment.	<b>PLO #3</b> Students will verify that they have assimilated the cognitive, psychomotor, and affective knowledge essential to MLT by a passing score on at least 55% at 6.0 level on the LabCE MLT Computer adaptive exam in the program's capstone course.	<b>PLO #4</b> 75% of program students will demonstrate that they have the knowledge, skills and abilities in all areas of the lab that include: Blood Bank, UA, Hematology, Chemistry, Immunology, Microbiology, Lab Operations and pass the ASCP BOC with a minimum score of 400.
<b>MLAB 1201</b>	I			I
<b>MLAB 1415</b>	I, D			I,D
<b>MLAB 1127</b>				I,D
<b>MLAB 1211</b>	I, D			I,D
<b>MLAB 2473</b>	I, D			I,D
<b>MLAB 2434</b>	I, D			I,D
<b>MLAB 2401</b>	I, D			I,D
<b>MLAB 2266</b>	M	M		M
<b>MLAB 1231</b>	M			I,D
<b>MLAB 2267</b>	M	M		M
<b>MLAB 2232</b>			I, D	I,D
<b>MLAB 2338</b>			M	M

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**Goal #3:** Graduates will demonstrate the capacity for calm and reasoned judgment; take responsibility for their own actions; show a strong commitment to patient welfare; and display positive ethical and moral attitudes and principles that are necessary for gaining and maintaining the confidence of patients, professional associates, and the community at large.

<b>Program-Specific Courses</b>	<b>PLO #1:</b> Students will define, interpret, and differentiate between positive and negative work ethic behaviors in the classroom and in clinical/practicum facilities.	<b>PLO #2:</b> Students will demonstrate positive behaviors associated with the employer identified work ethics: Attendance, Character, Teamwork, Appearance, Attitude, Productivity, Organization, Communication, Cooperation and Respect during their Clinical/Practicum rotations.
<b>MLAB 1201</b>	<b>I, D</b>	
<b>MLAB 1415</b>	<b>D</b>	
<b>MLAB 1127</b>	<b>D</b>	
<b>MLAB 1211</b>	<b>D</b>	
<b>MLAB 2473</b>	<b>D</b>	
<b>MLAB 2434</b>	<b>D</b>	
<b>MLAB 2401</b>	<b>D</b>	
<b>MLAB 2266</b>	<b>D, M</b>	<b>M</b>
<b>MLAB 1231</b>	<b>D</b>	
<b>MLAB 2267</b>	<b>D, M</b>	<b>M</b>
<b>MLAB 2232</b>	<b>M</b>	
<b>MLAB 2338</b>	<b>M</b>	

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**Goal #4:** Graduates will identify obstacles and challenges in their life, and assess tools and resources available to them, via Amarillo College and city/county/state/federal agencies, in order to ultimately achieve their dream of success in earning their degree and in attaining gainful employment.

Program-Specific Courses	<b>PLO #1:</b> Students will persist in program enrollment, semester-by-semester, until all required courses have been successfully completed.	<b>PLO #2:</b> Students will attain gainful employment in a laboratory environment within 9 months of graduation and/or they will continue to pursue higher education.
<b>MLAB 1201</b>	I, D	I, D
<b>MLAB 1415</b>	D	
<b>MLAB 1127</b>	D	
<b>MLAB 1211</b>	D	
<b>MLAB 2473</b>	D	
<b>MLAB 2434</b>	D	
<b>MLAB 2401</b>	D	
<b>MLAB 2266</b>	D	
<b>MLAB 1231</b>	D	
<b>MLAB 2267</b>	D	
<b>MLAB 2232</b>	D	
<b>MLAB 2338</b>	M	M

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