

<b>Program Name</b>	<b>Laboratory Assisting</b>
<b>Program CIP Code</b>	51.0800.30
<b>Program Description and Coherent Sequence</b>	<p>The <b>Laboratory Assisting</b> instructional program prepares students to participate in teams, solve problems, think critically and implement effective solutions. The program is designed and delivered as a coherent sequence of experiences using technical instruction, academic foundations, experiential learning, supervised occupational experience, leadership and personal development through the Career and Technical Student Organization HOSA. This program is designed to prepare high school students with foundations in knowledge and technical skill needed to help them to continue their education in the field of Laboratory Assisting by successfully completing an appropriate postsecondary program. Affiliations with local community college programs can provide high school students with dual or concurrent credit that can be applied toward their postsecondary certificate or degree.</p> <p><b>Fundamentals of Allied Health:</b> This course will teach students the basic knowledge and skills needed for Laboratory Assisting in a clinical, medical or retail setting or to continue to postsecondary education.</p> <p><b>Laboratory Assisting:</b> This course will enhance the students' knowledge and skills to continue their education for in becoming a Laboratory Assistant in a clinical, medical or retail setting or to continue to postsecondary education.</p> <p><b>Work-based learning:</b> Students have the opportunity to participate in either an Allied Health Cooperative Education experience or an Internship.</p>
<b>Industry Validated Standards</b>	<a href="http://www.azed.gov/career-technical-education/files/2011/11/technical-standards-laboratory-assisting-51080030.pdf">http://www.azed.gov/career-technical-education/files/2011/11/technical-standards-laboratory-assisting-51080030.pdf</a>
<b>Specialized Equipment</b>	<ul style="list-style-type: none"> <li>Barrier supplies</li> <li>Capillary tubes—all kinds - centrifuge with tubes (mylar or plastic)</li> <li>Disposable plastic pipettes</li> <li>Lab timers</li> <li>Microhematocrit centrifuge and microhematocrit tubes (presealed, plastic or mylar)</li> <li>Microscopes, lens, paper</li> <li>Pasteur pipes</li> <li>Phlebotomy work station - carrier/tube holders</li> <li>Pipette aspirating bulb</li> <li>Reagent strips-urinalysis</li> <li>Specimen cups</li> </ul>

	<p>Sharps containers—all sizes          Simulated lab reports          Slides/coverslips          Skeleton, full body          Venipuncture supplies hubs, needles, gauze, alcohol, iodine, hydrogen peroxide, tourniquet, tape, butterfly          Specimen kits/containers/tubes-occult blood, guaiac, strep, HCG, Flu, MOWV, H.pylori          Glucometers and strips</p> <p>Equipment list can be accessed at:  <a href="http://www.azed.gov/career-technical-education/files/2013/07/equipment-list-laboratory-assisting-51080030.pdf">http://www.azed.gov/career-technical-education/files/2013/07/equipment-list-laboratory-assisting-51080030.pdf</a></p>
<b>Industry Recognized Certifications</b>	<ul style="list-style-type: none"> <li>• American Society of Phlebotomy Technicians OR</li> <li>• National Phlebotomy Association             <ul style="list-style-type: none"> <li>○ Certified Phlebotomy Technician</li> </ul> </li> </ul>
<b>CTE End-Of- Program (EOP) Technical Skill Assessment (TSA) Y/N</b>	Y
<b>Current EOP TSA Pass Score</b>	60%
<b>Participation in JTED Program Qualifies Students for These Employment Opportunities</b>	<p>Lab Assistant          Clinical Lab Assistant          Anatomic Pathology Lab Assistant</p>

## SB1525 JTED Course and Program Requirements

<p><b>Requires students obtain passing score of 60% on assessment</b> 15-391(3)(b) Page 1/20-24 &amp; 15-391(5)(b) Page 2/1-6</p>	<p>Yes Certified Phlebotomy Technician and the required passing score for this certification is 78%.</p>
<p><b>Not a Course Required under Minimum Course of Study including Honors</b> 15-391(3)(d) Page 1/27-29</p>	<p>No</p>
<p><b>Majority of Instructional Time in Lab / Field / Work Based Learning Environment</b> 15-391 (3)(e) Page 1/30-32 and  <b>Requires CTSO Participation</b> 15-391(5)(d) Page 2/10-13</p>	<p>Yes, the majority of the courses for Laboratory Assisting are taught in a lab setting. Students learn how to prepare the patient and the blood drawing procedures in a lab setting. They learn how to process the blood once it has been taken from the patient.  HOSA</p>
<p><b>Demonstrated Need for Extra Funding for a course</b> 15-391 (3)(f) Page 1/33-34</p>	<p>Yes, students need specialized equipment to learn how to draw blood from a patient. They used specialized trainer simulator arms to learn where veins are located. This will give the students the practice they need before trying on live patients. Other items include machines that process urine and other body fluids that are collected for testing.</p>
<p><b>Specialized Equipment Exceeds Cost of Standard Course</b> 15-391(3)(g) Page 1/35-36 and 15-391(5)(c) Page 2/7-9</p>	<p>Yes Skeleton, full body Venipuncture supplies hubs Capillary tubes—all kinds- centrifuge with tubes Microhematocrit centrifuge and microhematocrit tubes Microscopes Trainer simulator, etc.  <a href="http://www.azed.gov/career-technical-education/files/2013/07/equipment-list-laboratory-assisting-51080030.pdf">http://www.azed.gov/career-technical-education/files/2013/07/equipment-list-laboratory-assisting-51080030.pdf</a></p>
<p><b>Alignment through Curriculum, Instructional Model and Courses Sequence</b> 15-391(5)(e) Page 2/15-18</p>	<p>State-established course sequence for the Lab Assisting Program Consists of 2 Carnegie Units of Instruction with the option of an additional Carnegie Unit Internship or Cooperative Education.</p>
<p><b>Defined Pathway to Career and Postsecondary Ed in Specific Vocation or Industry</b> 15-391(5)(f) Page 2/19-21</p>	<p>Yes, Lab Assisting or Phlebotomy</p>

<p><b>Fills High Need Vocation or Industry as Determined by CTE/ADE 15-391(5)(j) Page 2/30-31</b></p>	<p>Yes, from 2014-2024 there will be a 25% increase in the demand for Phlebotomy in Arizona. The average wage for a Laboratory Assistant in Arizona is \$15.21 an hour.</p>
<p><b>Requires a Single or Stackable Credential or a Skill that allows a student to obtain work 15-391(5)(k) Page 2/32-35</b></p>	<p>Yes, Certified Phlebotomy Technician and the required passing score for this certification is 78%.</p>
<p><b>Leads to certification or licensure verified by that vocation or industry that qualifies student for employment which the student would not otherwise qualify. 15-391(5)(l) Page 2/36-39</b></p>	<ul style="list-style-type: none"> <li>• American Society of Phlebotomy Technicians OR</li> <li>• National Phlebotomy Association <ul style="list-style-type: none"> <li>◦ Certified Phlebotomy Technician</li> </ul> </li> </ul>
<p><b>If no certification or licensure is accepted by vocation or industry, completion of program must qualify student for employment for which student would not otherwise qualify without completing JTED program. 15-391(5)(l) Page 2/39-43</b></p>	<p>N/A</p>
<p><b>Requires instruction and instructional materials substantially different from and exceed scope of standard instruction and include skills, competencies and knowledge to be successful in JTED program vocation or industry. 15-391(5)(m) Page 2/44-45 and 3/1-3</b></p>	<p>Yes, students need specialized equipment to learn how to draw blood from a patient. They used specialized trainer simulator arms to learn where veins are located. This will give the students the practice they need before trying on live patients. Other items include machines that process urine and other body fluids that are collected for testing.</p>
<p><b>Industry provided financial or technical support. 15-391(5)(n) Page 3/4-8</b></p>	<ul style="list-style-type: none"> <li>• Serves on industry standards development and validation committees</li> <li>• Serves on state and local advisory boards</li> <li>• Provides work-based learning experiences</li> <li>• Donates equipment and supplies</li> <li>• Serves as classroom speakers and provides resources</li> </ul>
<p><b>Demonstrated need for extra funding in order to provide JTED program 15-391(5)(o) Page 3/9-11</b></p>	<p>Yes, students need specialized equipment to learn how to draw blood from a patient. They used specialized trainer simulator arms to learn where veins are located. This will give the students the practice they need before trying on live patients. Other items include machines that process urine and other body fluids that are collected for testing.</p>

<b>Eligibility</b>		<b>Yes</b>	<b>No</b>
JTED	The <b>Laboratory Assisting</b> program meets the requirements for <b>JTED</b> compliance and eligibility	x	
CTE Federal Perkins and State Priority	The <b>Laboratory Assisting</b> program meets the requirements for <b>Perkins</b> and is eligible to generate <b>CTE State Priority funding</b> .	x	

DRAFT