



## Work-Based Learning: Career Practicum

<b>Work-Based Learning Framework:</b>	The Work-Based Learning Framework establishes the requirements for all <u>Work-Based Learning</u> experiences, whether offered for credit or not. The Work-Based Learning Framework is established in <u>the Tennessee State Board of Education High School Policy 2.103</u> .
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<b>Course Code:</b>	6105
<b>Capstone:</b>	This course is considered a work-based learning (WBL) capstone experience. As such, it must conform to <u>Tennessee State Board of Education (SBE)</u> requirements as outlined in the Work-Based Learning Framework and the <u>Tennessee Department of Education's Work-Based Learning Policy Guide</u> .
<b>Prerequisite(s):</b>	Students should use their chosen elective focus and their high school plan of study as the basis for their Career Practicum experience. Students should participate in an aligned CTE program of study and/or other related courses prior to enrolling in this course. WBL experiences must reflect the student's long-term goals and interests and foster postsecondary and career preparation.
<b>Grade Level:</b>	11 or 12
<b>Credit:</b>	1 –2 credits per year, including the summer term
<b>Elective Focus:</b>	This course satisfies one of three credits required for an elective focus when placement aligns with the other elective courses as approved by the local board of education as per <u>State Board of Education SBE</u> High School Policy 2.103.
<b>Integration with CTE Programs of Study:</b>	This course may be taken as the third or fourth course in any sequenced CTE program of study. Placement should align with the other CTE courses taken.
<b>Teacher Requirements:</b>	Teachers must hold an active WBL certificate provided by the Tennessee Department of Education and one of the following endorsements: 021, 022, 023, 024, 025, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 047, 048, 049, 050, 051, 052, 053, 054, 055, 056, 057, 058, 059, 060, 061, 062, 070, 077, 078, 079, 080, 102, 103, 105, 201, 202, 203, 204, 230, 231, 232, 233, 250, 301, 310, 311, 407, 408, 421, 422, 423, 424, 425, 426, 430, 431, 432, 433, 434, 435, 436, 448, 449, 450, 451, 452, 453, 458, 460, 461, 462, 463, 464, 466, 470, 471, 472, 474, 475, 476, 477, <u>487</u> , 496, 498, 503, 507, 508, 512, 522, 523, 524, 527, 531, 543, 560, 561, 562, 568, 576, 577, 581, 584, 590, 594, 595, 596, 597, 598, 721, 722, 742, 751
<b>Industry Engagement Requirements:</b>	Significant industry engagement is required for this course and includes, but is not limited to, setting professional expectations for quality of work, mentoring students through a project and providing feedback, and evaluating employability skill development. A dedicated workplace mentor will supervise each student in workplace-based experiences such as internships, co-op, and apprenticeships.

## Course Description

*Work-Based Learning: Career Practicum* is a capstone course intended to provide students with opportunities to apply the skills and knowledge learned in previous CTE and general education courses within a professional work environment. The course allows students to earn high school credit for select models of work-based learning, which allow students to interact with industry professionals in order to extend and deepen classroom work and support the development of postsecondary and career readiness knowledge and skills.

Career Practicum activities may take one of two forms:

- 1) **Workplace-Based:** Students participate in individual work-based learning experiences in professional settings when they meet the hours required for full time course equivalent. These experiences include registered apprenticeships, cooperative education (co-op), and internships.
- 2) **Classroom-Based:** Students are immersed in a classroom-based experience where they learn through targeted industry involvement that may take the form of industry-driven project-based learning, school-based enterprise, and virtual enterprise. This model should incorporate industry engagement through activities like tours, informational interviewing, job shadows, [community service projects](#), and technical mentoring to achieve learning standards at professional-level expectations.

Upon completion of the practicum, students will be prepared for postsecondary and career opportunities aligned with their interests and demonstrate professional-quality employability skills relevant to their chosen career paths. Standards in this course are designed to reinforce [Tennessee State Standards for English Language Arts & Literacy in Technical Subjects](#) and [Tennessee State Standards in Mathematics](#) ~~Tennessee State Standards for English Language Arts and Tennessee State Standards in Mathematics~~.\*

## Course Requirements

This capstone course aligns with the requirements of the [Work-Based Learning WBL](#) Framework (established in [Tennessee State Board High School Policy](#)), with the [Tennessee](#) Department of Education's Work-Based Learning Policy Guide, and with state and federal Child Labor Law. As such, the following components are course requirements:

- 1) **A s\$Students** will have a Personalized Learning Plan that identifies their long-term goals, demonstrates how the [Work-Based Learning \(WBL\)](#) experience aligns with their elective focus and/or high school plan of study, addresses how the student plans to meet and demonstrate the course standards, and addresses employability skill attainment in the following areas:
  - a. Application of academic and technical knowledge and skills (embedded in course standards)
  - b. Career knowledge and navigation skills
  - c. 21st Century learning and innovation skills
  - d. Personal and social skills
- 2) **A s\$Students** will develop portfolios, or a similar compilation of work and evaluation samples, that demonstrate employability skill development in the categories above.
- 3) **A s\$Students** will exhibit work readiness attitudes and skills prior to beginning a WBL experience.
- 4) **A s\$Students** will have an up-to-date Training Agreement and Safety Training Log on site [at the company](#) and at the school as appropriate for workplace-based experiences. [A copy of this required paperwork must be kept in school records for five years after placement.](#)



- 5) An evaluation process must be used to ensure that experiences are high-quality for the student.

## **WBL-Work-Based Learning Framework**

The Work-Based Learning WBL-Framework is established in SBE High School Policy 2.103 and governs all WBL experiences, both for-credit and not-for-credit. The Tennessee Department of Education's Work-Based Learning Policy Guide, Personalized Learning Plan template, and the Work-Based Learning Implementation Guide address training requirements, program expectations, and legal requirements. All documents and are available online at: [http://tn.gov/education/cte/work\\_based\\_learning.shtml](http://tn.gov/education/cte/work_based_learning.shtml). The standards for this course are written to conform with the SBE Work-Based Learning WBL-Framework, state and federal Child Labor Law, and Tennessee Department of Education policies.

## **Course Standards**

These course standards are designed to cover the employability skills required by the Work-Based Learning WBL-Framework. As such, they are divided into three sections:

- Career knowledge and navigation skills
- 21<sup>st</sup> Century learning and innovation skills
- Personal and social skills

The application of academic and technical knowledge and skills are embedded throughout these standards to ensure compliance with SBE High School Policy 2.103.

### **Career Knowledge and Navigation Skills**

- 1) ***Understand and demonstrate appropriate professional safety standards:*** Accurately read and interpret safety guidelines appropriate for the roles and responsibilities of the related placement or project. Listen to safety instructions and be able to explain why certain rules apply. Demonstrate good safety techniques and follow all applicable laws related to the project or placement and keep updated records of training topics in the Safety Training Log.

*Work-Place Example: Prior to an internship with a local manufacturer, a student receives training in the classroom related to electrical safety, Occupational Safety and Health Administration (OSHA), state and national code requirements, and the rules of handling high-pressure pneumatics and hydraulics. These trainings are documented in the student's Safety Training Log. Once on site, the student's workplace mentor provides additional training on the safety culture of the company and the specific equipment that the student will use, which has been pre-approved by the Department of Labor and Workforce Development. The student and employer update the student's Safety Training Log and an updated copy is placed in the student's personnel file at work and at the school.*

- 2) ***Plan and navigate education and career paths aligned with personal goals:*** Observe and analyze organizational culture and practices, e.g., how to interact with supervisors, clients, and co-workers, and how to recognize and address health, safety, and sustainability issues. Seek information from supervisors and other employees about appropriate methods of finding and securing employment in the industry and what knowledge, skills, and educational credentials are required. Use the learning experience to review and update an education and career pathways plan ~~the student's long-term education and career goals~~ based on the knowledge and feedback acquired. Proactively identify areas of strength and opportunities for professional growth,



encourage and act on feedback from peers, supervisors, and customers, and seek and use resources and support to improve skills.

*Work-Place Example:* During ~~a clinical~~ experience at a local ~~hospital~~ government agency, a student observes the roles of different ~~health~~ professionals and asks supervisors and others about the educational credentials required for entry level positions in the ~~health~~ fields the student found most interesting. The student follows up by talking with a school counselor about colleges and universities where those credentials could be earned, and what courses should be taken in high school to qualify for those credential programs. The student creates a resume and adds it to her portfolio to begin the application process for her selected postsecondary institution.

- 3) **Develop and implement a personalized learning plan:** Develop a ~~personalized~~ Personalized learning ~~Learning plan~~ Plan specific to the student's placement or project, in accordance with approved policies. Participate in ongoing review and communications to determine progress against the plan with relevant stakeholders where necessary.
  - a. Select and apply appropriate technical skills to accurately solve problems and perform expected tasks related to the work-based learning experience as outlined by the student's elective focus.
  - b. Select and demonstrate appropriate format and style of communications in the work setting as outlined by applicable Tennessee State Standards for English Language Arts & Literacy in Technical Subjects ~~Tennessee State Standards for English Language Arts~~.
  - c. Independently and proficiently read and comprehend academic and technical texts relevant to the work-based learning experience as outlined by applicable Tennessee State Standards for English Language Arts & Literacy in Technical Subjects ~~Tennessee State Standards for English Language Arts~~.
  - d. Select and apply appropriate mathematical concepts to accurately solve problems and perform expected tasks related to work-based learning experiences as outlined by applicable Tennessee State Standards for Mathematics.
  
- 4) **Reflect on experiences through creation of a personal portfolio:** Create a personal portfolio, or similar collection of work, that illustrates mastery of skills and knowledge outlined in the Career Practicum course standards and the personalized learning plan. Identify and collect artifacts and/or work products that reflect the skills developed and knowledge gained through the WBL experience. Assess personal growth through thoughtful reflection and accurately self-assess to identify opportunities for further growth and development in the future. Products may include but are not limited to:
  - Career and professional development plan
  - Resume and/or references
  - List of responsibilities undertaken throughout the placement ~~Pictures, videos, or other media samples from the placement~~
  - Examples of materials developed and used throughout the placement
  - Journal entries ~~reflecting on~~ reflective of tasks and activities
  - Supervisor evaluations and observations
  - WBL coordinator evaluations and observations
  - Exit evaluations that include lessons learned and self-analysis of skill development

## 21st Century Learning and Innovation Skills



- 5) **Demonstrate creativity and innovation:** Use idea-generating techniques to explore divergent and atypical questions and perspectives to develop original ideas for products or solve problems – such as a constructed object, proposal, presentation, solution to a problem, service, system, work of art, writing sample, invention, event, or an improvement to an existing product. Exhibit insight into the particular needs and interests of the target audience that are driving the process of innovation.

*Work-Place Example:* A student brainstorms with co-workers to create game features for a new app and tests out the ideas on friends who fit the target audience profile. Using their feedback and open source repositories, the student learns how to make adjustments that differentiate the app and make it appealing to the target demographic.

- 6) **Demonstrate critical thinking & problem solving:** Identify and ask significant questions to solve problems in the workplace. Use inductive and deductive reasoning methods to recognize faulty reasoning, and to understand problems and alternative solutions. Solve problems using systems thinking, (e.g., by understanding problems in terms of complex processes and environments). Identify key information, components and relationships that enable, influence, and produce outcomes.

*Work-Place Example:* A student reads a blueprint and helps prepare a project layout. By extracting information from the drawing, the student determines dimensions and calculates the quantity and cost of materials required. Using this information, the student drafts a project timeline to schedule orders and labor to ensure that parts are delivered as needed during construction.

- 7) **Communicate clearly and effectively, verbally and in writing:** Articulate ideas effectively in written ~~personal~~ communications with supervisors, coworkers, and customers by developing and delivering. Develop and deliver messages effectively in written deliverables. Verbally articulate ideas effectively in interpersonal communications with supervisors, coworkers, and customers by developing and delivering. Develop and deliver messages effectively in oral presentations. Demonstrate effective listening skills, attending to the meaning and intention of communications, and by accurately paraphrasing what has been heard and by communicating. Communicate effectively with individuals of diverse backgrounds, perspectives, and cultures.

*Work-Place Example:* A student makes internal and external presentations on company products and services, confers with customers by telephone and in person, and accurately records details of inquiries, as well as actions taken.

- 8) **Collaborate and work productively as a team member:** Work effectively as a member of a team and address conflict with sensitivity and respect for diverse points of view. Demonstrate understanding of one's own impact and build on different perspectives to strengthen joint efforts. Demonstrate leadership where appropriate ~~to-on~~ collaborative workplace tasks. Effectively employ meeting management strategies, such as use of an agenda, time keeping and meeting facilitation strategies, identifying action items, and scheduling next steps.

*Work-Place Example:* A student works with a diverse team in a warehouse to pull ordered items, package, and ship the items on time. The student alternates between taking the lead and assisting others as the situation demands.



- 9) **Demonstrate information literacy:** Access information efficiently using appropriate sources. Demonstrate understanding of the difference between credible and non-credible sources, including the difference between advertising and legitimate research. Evaluate information for usefulness, bias, and accuracy, and question information that may not be from credible sources. Demonstrate the ability to organize and manage information effectively and efficiently. Demonstrate ethical and legal uses of information, including adherence to all rules and regulations related to the sharing of protected information.

*Work-Place Example: A student follows written procedures for evaluating project proposals and applies provided criteria to determine eligibility.*

- 10) **Use technology effectively and appropriately:** Use appropriate technology for information search and retrieval, synchronous and asynchronous communications, multimedia presentations, document production, quantitative and qualitative analysis, and information management. Use social networking and online collaboration tools such as shared documents and web conferencing to create, integrate, and manage information in group projects. Access and manage online communication and information using multiple digital devices such as laptop computers, tablets, smart phones, etc. Demonstrate adherence to all rules and regulations related to the use of electronic tools and the internet, including appropriate protection of passcodes and adherence to all security protocols.

*Work-Place Example: A student participates in project or staff meetings remotely using a web-based conferencing system, contributes to presentations using various applications, or enters data accurately into a database.*

## Personal and Social Skills

- 11) **Demonstrate initiative and self-direction:** Complete tasks as directed without direct supervision, knowing when questions or guidance should be requested. Exhibit resourcefulness and initiative in taking on new tasks and solving problems as appropriate to the workplace setting. Demonstrate interest in learning and exhibit personal agency in identifying and achieving instrumental and ultimate learning objectives. Demonstrate curiosity to learn more about the tasks, as exhibited in the workplace or industry. Explore deeper content on one's own and request opportunities for professional development. Demonstrate self-efficacy and confidence in one's ability to succeed in specific situations.

*Work-Place Example: ~~Without being asked, a student learns and practices effective new presentation skills and develops written documents before attending group meetings to provide information on agency services, requirements, and procedures. A student identifies an opportunity to improve an existing marketing process using an online tool that automates and customizes messaging for its audience. Without being asked, the student researches the cost, use, and effectiveness of the tool, as well as potential drawbacks. The student then develops written documentation and presents the proposal to a supervisor for consideration and possible implementation.~~*

- 12) **Demonstrate professionalism and ethical behavior:** Present oneself professionally and with proper etiquette, in accordance with norms of the industry and workplace. Demonstrate reliability and responsibility in attendance and in following through on agreed-upon tasks; ~~and~~ communicate



with supervisor when circumstances change. Demonstrate integrity and ethical behavior in all worksite activities including the use of tools and materials, handling of money, logging of hours, billing of clients, sharing of information, and completion of all personnel-related forms. Understand and adhere to appropriate workplace non-discrimination standards on the basis of sex, race, color, age, national origin, religion, disability, marital status, sexual orientation, gender identity, pregnancy, veteran status, or any characteristic of a person or group unrelated to the workplace.

*Work-Place Example: A student assists in preparing ~~patients and the treatment area~~ client files, and performs other delegated tasks under close supervision of ~~a hospital~~ office employee, always maintaining a professional attitude and respecting ~~patient~~ client privacy and confidentiality.*

- 13) **Demonstrate interpersonal and social skills using cultural/global competence:** Demonstrate effective and respectful interactions with coworkers, supervisors, and customers. Respect cultural differences at a worksite or project, and work effectively with people from diverse social and cultural backgrounds. Exhibit appropriate interpersonal behaviors regarding workplace hierarchy, use of time/punctuality, dress, food, holidays, and etiquette.

*Work-Place Example: A student interacts effectively with a very diverse group of customers, supervisors, and other personnel, using learned customer service skills and a calm demeanor to exchange information and resolve problems.*

- 14) **Demonstrate adaptability and flexibility:** Exhibit adaptability and flexibility in a variety of roles, jobs responsibilities, schedules and contexts. Work effectively when projects and tasks change or the priorities seem ambiguous. Demonstrate a willingness to alter behaviors or tasks as circumstances change. Respond positively to praise, setbacks, and constructive criticism.

*Work-Place Example: A student follows instructions and responds well to constructive criticism and frequent changes in assignments while testing, repairing, and reassembling a wide array of mechanical parts for machinery and systems.*

- 15) **Demonstrate productivity and accountability:** Manage time and projects effectively by setting goals; developing and using a system for prioritizing, planning and managing daily work; and seeking assistance and adjusting plans to adapt to changing circumstances. Demonstrate attention to detail, and degree of precision and accuracy appropriate to the task. Demonstrate accountability to coworkers and supervisors and customers by delivering work to agreed-upon standards and completing agreed-upon projects on time, and exhibiting pride in workmanship.

*Work-Place Example: A student works independently, and as part of a team, to coordinate events and meetings. The student demonstrates the necessary punctuality, attention to detail, and accountability to other team members in completing assigned tasks and taking initiative to pitch in as required for scheduling, facilitating, and assisting all events and activities.*

## Standards Alignment Notes

\*References to other standards include:



- TN Reading: Tennessee State Standards for English Language Arts & Literacy in History/Social Studies, Science, and Technical Subjects; Reading Standards for Literacy in Science and Technical Subjects 6-12; Grades 11-12 Students (page 62).
  - Note: Students who are engaging in activities outlined above should be able to demonstrate fluency in all ten Reading standards at the conclusion of the course.
- TN Writing: Tennessee State Standards for English Language Arts & Literacy in History/Social Studies, Science, and Technical Subjects; Writing Standards for Literacy in History/Social Studies, Science, and Technical Subjects 6-12; Grades 11-12 Students (pages 64-66).
  - Note: Students who are engaging in activities outlined above should be able to demonstrate fluency in all ten Writing standards at the conclusion of the course.
- ~~TN Reading: Tennessee State Standards for English Language Arts ; Reading Standards Grades 11-12 Students.~~

~~Note: Students who are engaging in activities outlined above should be able to also demonstrate fluency in all ten Reading standards at the conclusion of the course.~~

~~TN Writing: Tennessee State Standards for English Language Arts ; Writing Standards Grades 11-12 Students.~~

~~Note: Students who are engaging in activities outlined above should be able to also demonstrate fluency in all ten Writing standards at the conclusion of the course.~~

- TN Math: [Tennessee State Standards for Mathematics](#); Math Standards for High School.
  - Note: The standards in this course are not meant to teach mathematical concepts. However, the concepts referenced above may provide teachers with opportunities to collaborate with mathematics educators to design project-based activities. While not aligned to one specific conceptual category, students who are engaging in the activities outlined above should be able to demonstrate mathematical reasoning as applied to specific technical concepts. In addition, students will have the opportunity to practice the habits of mind as described in the eight Standards for Mathematical Practice.
- P21: Partnership for 21st Century Skills [Framework for 21st Century Learning](#)
  - Note: While not all standards are specifically aligned, teachers will find the framework helpful for setting expectations for student behavior in their classroom and practicing specific career readiness skills.
- Employability Skills Framework, United States Department of Education. (2014). <http://cte.ed.gov/employabilityskills>

