

Student Competency Record
Design, Multimedia, and Web Technologies, Advanced
6633 - 18 weeks

<hr/> Student	<hr/> School Year
<hr/> School	<hr/> Teacher Signature

Traditional letter or numerical grades do not provide adequate documentation of student achievement in competency-based education; therefore, the Virginia Standards for CBE require a recording system to provide information about competencies achieved to employer, student-employee, and teacher. The Student Competency Record provides a means for keeping track of student progress. Ratings are assigned by the teacher for classroom competency achievement and by the teacher-coordinator in conjunction with the training sponsor when competence is evaluated on the job.

Tasks/competencies designated "Required" are considered essential statewide and are required of all students. In some courses, all tasks/competencies have been identified as required. Tasks/competencies marked "Optional" are considered optional; they and/or additional tasks/competencies may be taught at the discretion of the school division. Tasks/competencies marked with an asterisk (*) are considered sensitive, and teachers should obtain approval by the school division before teaching them. Student competency records should be kept as long as the student is enrolled in the school and for five years after the student graduates/leaves the school.

Note: Students with an Individualized Education Program (IEP) or an Individualized Student Alternative Education Plan (ISAEP) will be rated, using the following scale, only on the competencies identified in their IEP or ISAEP.

Students will be expected to achieve a **satisfactory rating** (one of the three highest marks) on the Student Competency Record (SCR) rating scale on at least 80% of the required (essential) competencies in a CTE course.

...RATING SCALE...

- 1 - Can teach others**
- 2 - Can perform without supervision**
- 3 - Can perform with limited supervision**
- 4 - Can perform with supervision**
- 5 - Cannot perform**

6633 18 weeks	Design, Multimedia, and Web Technologies, Advanced TASKS/COMPETENCIES		Date	Rating
	Demonstrating Personal Qualities and Abilities			
Required	1	Demonstrate creativity and innovation.		
Required	2	Demonstrate critical thinking and problem solving.		
Required	3	Demonstrate initiative and self-direction.		

Required	4	Demonstrate integrity.		
Required	5	Demonstrate work ethic.		
		Demonstrating Interpersonal Skills		
Required	6	Demonstrate conflict-resolution skills.		
Required	7	Demonstrate listening and speaking skills.		
Required	8	Demonstrate respect for diversity.		
Required	9	Demonstrate customer service skills.		
Required	10	Collaborate with team members.		
		Demonstrating Professional Competencies		
Required	11	Demonstrate big-picture thinking.		
Required	12	Demonstrate career- and life-management skills.		
Required	13	Demonstrate continuous learning and adaptability.		
Required	14	Manage time and resources.		
Required	15	Demonstrate information-literacy skills.		
Required	16	Demonstrate an understanding of information security.		
Required	17	Maintain working knowledge of current information-technology systems.		
Required	18	Demonstrate proficiency with technologies, tools, and machines common to a specific occupation.		
Required	19	Apply mathematical skills to job-specific tasks.		
Required	20	Demonstrate professionalism.		
Required	21	Demonstrate reading and writing skills		
Required	22	Demonstrate workplace safety.		
		Examining All Aspects of an Industry		
Required	23	Examine aspects of planning within an industry/organization.		
Required	24	Examine aspects of management within an industry/organization.		
Required	25	Examine aspects of financial responsibility within an industry/organization.		
Required	26	Examine technical and production skills required of workers within an industry/organization.		
Required	27	Examine principles of technology that underlie an industry/organization.		
Required	28	Examine labor issues related to an industry/organization.		
Required	29	Examine community issues related to an industry/organization.		
Required	30	Examine health, safety, and environmental issues related to an industry/organization.		
		Addressing Elements of Student Life		
Required	31	Identify the purposes and goals of the student organization.		
Required	32	Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic organizations as an adult.		

Required	33	Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects.		
Required	34	Identify Internet safety issues and procedures for complying with acceptable use standards.		
Exploring Work-Based Learning				
Required	35	Identify the types of work-based learning (WBL) opportunities.		
Optional	36	Reflect on lessons learned during the WBL experience.		
Required	37	Explore career opportunities related to the WBL experience.		
Optional	38	Participate in a WBL experience, when appropriate.		
Enhancing Project Management Skills				
Required	39	Identify components of project management.		
Required	40	Explain how project management is applied to design, multimedia, and web technologies.		
Required	41	Apply the project-management cycle to a class project.		
Designing and Creating Advanced Visual Design Projects				
Required	42	Select appropriate software for a visual design project.		
Required	43	Apply principles of design, layout, and typography to an advanced visual design project.		
Required	44	Convert graphic elements and text to compatible formats for integration into publications.		
Required	45	Create a variety of specialized materials for traditional and digital delivery.		
Optional	46	Analyze options and costs for printing a graphic design project.		
Designing and Creating Advanced Interactive Multimedia Projects				
Required	47	Incorporate audio and visual elements into an interactive multimedia project.		
Required	48	Convert a publication to an interactive multimedia project.		
Optional	49	Research the different types of interactive multimedia software available.		
Examining Web Technologies				
Required	50	Analyze networking essentials in website construction.		
Required	51	Identify key Internet protocols.		
Required	52	Explain IP addresses and the domain naming system (DNS).		
Required	53	Evaluate website hosting options.		
Designing and Creating Advanced Websites				
Required	54	Evaluate an advanced website according to design principles.		
Required	55	Create a website by applying design principles.		
Required	56	Examine new and emerging trends in web development.		

Required	57	Create an advanced website, using design software and/or a programming language.		
Optional	58	Use client-side and server-side scripting to create database-driven websites and applications.		
Required	59	Describe the design of websites for accessibility and accommodation of persons with special needs.		
Required	60	Apply search engine optimization (SEO) techniques in websites.		
Required	61	Edit an advanced website.		
Required	62	Test an advanced website.		
Required	63	Describe the process for publishing a website.		
Optional	64	Demonstrate publishing, updating, and maintaining an advanced website.		
Required	65	Research the effects of new and emerging technologies on web use.		
Required	66	Identify the basic components of an e-commerce website.		
Optional	67	Explore the use of communication tools.		
Complying with Laws and Professional Ethics				
Required	68	Comply with copyright laws when creating advanced digital media, multimedia, and website design projects.		
Required	69	Demonstrate ethical and appropriate use of elements in advanced projects.		
Required	70	Comply with licensing agreements pertaining to software usage.		
Required	71	Demonstrate procedures to guard against computer crimes.		
Relating Classroom Applications to Business and Industry				
Required	72	Describe new and emerging trends in digital media technologies.		
Required	73	Explain the importance of digital media to business and industry.		
Optional	74	Create a design team project for a business and/or industry client.		
Required	75	Deliver a presentation according to the principles of effective communication.		
Required	76	Critique a presentation.		
Preparing for Industry Certification				
Required	77	Describe the process and requirements for obtaining industry certifications related to the course.		
Required	78	Identify testing skills and strategies for a certification examination.		
Required	79	Demonstrate ability to successfully complete selected practice examinations (e.g., practice questions similar to those on certification exams).		
Optional	80	Complete an industry certification examination representative of skills learned in this course (e.g., MOS, IC3, ACA, CIW).		
Developing Employability Skills				
Required	81	Identify job opportunities in the digital media industry.		

