Michigan CTE

Digital/Multimedia & Information Resources Design 11.0801 (2025)

Demonstrate knowledge of the hardware components and software applications, perform installation and updates to multiple operating systems, proprietary, and open-source software. A1

1. **Describe applications and services used to create rich internet applications.** MI-11.0801-7.8
2. **Knowledge of installation, integration, and optimization of system components.** MI-IT-CORE-1.1
3. **Knowledge of relevant concepts, procedures, software, equipment, and technology applications.** MI-IT-CORE-1.2
4. **Knowledge of operating system structures and internals (e.g., process management, directory structure, installed applications).** MI-IT-CORE-1.3
5. **Knowledge of IT system operation, maintenance, and security needed to keep equipment functioning properly.** MI-IT-CORE-1.4
6. **Knowledge of data backup and recovery.** MI-IT-CORE-3.1
7. **Knowledge of industry best practices for service desk.** MI-IT-CORE-6.1

Identify and compare new IT trends and technologies to build an understanding of their potential influence on industry practices. A2

1. **Use basic Web development skills.** MI-11.0801-10.3
2. **Analyze Usability and Accessibility as it pertains to customer needs.** MI-11.0801-4.2
3. **Employ Web development knowledge.** MI-11.0801-7.5
4. **Describe search engine management (SEM) and search engine optimization (SEO).** MI-11.0801-7.6
5. **Explain concepts involved in social networking.** MI-11.0801-7.7
6. **Describe applications and services used to create rich internet applications.** MI-11.0801-7.8

:ompare and contrast clients and servers. MI-11.0801-9.3

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	8 **Compare the benefits of internal and external Web hosting.** MI-11.0801-9.5
	9 **Knowledge of installation, integration, and optimization of system components.** MI-IT-CORE-1.1
	10 **Knowledge of relevant concepts, procedures, software, equipment, and technology applications.** MI-IT-CORE-1.2
	11 **Knowledge of operating system structures and internals (e.g., process management, directory structure, installed applications).** MI-IT-CORE-1.3
	12 **Knowledge of IT system operation, maintenance, and security needed to keep equipment functioning properly.** MI-IT-CORE-1.4
	13 **Predict how computational innovations that have revolutionized aspects of our culture might evolve.** MI-IT-CORE-2.1
	14 **Knowledge of industry indicators useful for identifying technology trends.** MI-IT-CORE-2.3
	15 **Knowledge of data backup and recovery.** MI-IT-CORE-3.1
	16 **Knowledge of cyber threats and vulnerabilities.** MI-IT-CORE-4.1
	17 **Knowledge of industry best practices for service desk.** MI-IT-CORE-6.1
Utilize solutions (version control, data backup, cloud, etc.) to maintain data integrity. A3	1 **Knowledge of IT system operation, maintenance, and security needed to keep equipment functioning properly.** MI-IT-CORE-1.4
	2 **Knowledge of data backup and recovery.** MI-IT-CORE-3.1
	3 **Evaluate authentication and authorization methods and the risk associated with failure. (such as certification, token, two-factor, multi-factor, biometric).** MI-IT-CORE-5.2
	4 **Knowledge of industry best practices for service desk.** MI-IT-CORE-6.1
Recognize and analyze potential IT security threats to develop and maintain security requirements. A4	1 **Prioritize tasks to be completed.** MI-11.0801-1.2
	2 **Employ Web development knowledge.** MI-11.0801-7.5
	3 **Knowledge of IT system operation, maintenance, and security needed to keep equipment functioning properly.** MI-IT-CORE-1.4
	4 **Knowledge of data backup and recovery.** MI-IT-CORE-3.1
	5 **Knowledge of cyber threats and vulnerabilities.** MI-IT-CORE-4.1

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	6 **Knowledge of authentication, authorization, and access control methods.** MI-IT-CORE-5.1
	7 **Evaluate authentication and authorization methods and the risk associated with failure. (such as certification, token, two-factor, multi-factor, biometric).** MI-IT-CORE-5.2
	8 **Knowledge of computer networking concepts and protocols, and network security methodologies.** MI-IT-CORE-5.3
	9 **Knowledge of industry best practices for service desk.** MI-IT-CORE-6.1
Demonstrate knowledge of network integrity protection by incorporating network segregation where appropriate using various network topologies and solutions. A5	1 **Knowledge of installation, integration, and optimization of system components.** MI-IT-CORE-1.1
	2 **Knowledge of IT system operation, maintenance, and security needed to keep equipment functioning properly.** MI-IT-CORE-1.4
	3 **Knowledge of data backup and recovery.** MI-IT-CORE-3.1
	4 **Knowledge of cyber threats and vulnerabilities.** MI-IT-CORE-4.1
	5 **Knowledge of computer networking concepts and protocols, and network security methodologies.** MI-IT-CORE-5.3
	6 **Knowledge of industry best practices for service desk.** MI-IT-CORE-6.1
	7 **Develop a test plan for the digital communication product.** MI-11.0801-11.1
Identify and describe quality assurance concepts to develop an understanding of the requirements for IT products and services. A6	1 **Resolve product problems.** MI-11.0801-11.3
	2 **Convey technical concepts from Web design to a non-technical audience.** MI-11.0801-2.1
	3 **Describe the nature and scope of information management.** MI-11.0801-3.1
	4 **Seek diverse perspectives for the purpose of improving computational artifacts.** MI-11.0801-5.5
	5 **Describe applications and services used to create rich internet applications.** MI-11.0801-7.8
	6 **Describe how bandwidth affects data transmission and on-screen image.** MI-11.0801-9.4
	7 **Knowledge of installation, integration, and optimization of system components.** MI-IT-CORE-1.1

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	8 **Knowledge of relevant concepts, procedures, software, equipment, and technology applications.** MI-IT-CORE-1.2
	9 **Knowledge of operating system structures and internals (e.g., process management, directory structure, installed applications).** MI-IT-CORE-1.3
	10 **Knowledge of IT system operation, maintenance, and security needed to keep equipment functioning properly.** MI-IT-CORE-1.4
	11 **Knowledge of data backup and recovery.** MI-IT-CORE-3.1
	12 **Knowledge of cyber threats and vulnerabilities.** MI-IT-CORE-4.1
	13 **Knowledge of industry best practices for service desk.** MI-IT-CORE-6.1
	14 **Skill in managing client relationships, including determining client needs/requirements, managing client expectations, and demonstrating commitment to delivering quality results.** MI-IT-CORE-6.2
	15 **Ability to produce technical documentation.** MI-IT-CORE-7.1
	16 **Ability to analyze test data.** MI-IT-CORE-7.2
Interpret documentation, author, and analyze logs and data to identify issues. A7	1 **Employ Web administration skills to maintain a Web application.** MI-11.0801-10.5
	2 **Resolve product problems.** MI-11.0801-11.3
	3 **Convey technical concepts from Web design to a non-technical audience.** MI-11.0801-2.1
	4 **Describe the nature and scope of information management.** MI-11.0801-3.1
	5 **Knowledge of operating system structures and internals (e.g., process management, directory structure, installed applications).** MI-IT-CORE-1.3
	6 **Knowledge of IT system operation, maintenance, and security needed to keep equipment functioning properly.** MI-IT-CORE-1.4
	7 **Knowledge of data backup and recovery.** MI-IT-CORE-3.1
	8 **Knowledge of cyber threats and vulnerabilities.** MI-IT-CORE-4.1
	9 **Knowledge of authentication, authorization, and access control methods.** MI-IT-CORE-5.1
	10 **Evaluate authentication and authorization methods and the risk associated with failure. (such as certification, token, two-factor, multi-factor, biometric).** MI-IT-CORE-5.2

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	11 **Knowledge of computer networking concepts and protocols, and network security methodologies.** MI-IT-CORE-5.3
	12 **Knowledge of industry best practices for service desk.** MI-IT-CORE-6.1
	13 **Ability to produce technical documentation.** MI-IT-CORE-7.1
	14 **Ability to analyze test data.** MI-IT-CORE-7.2
Demonstrate understanding and application of essential principles of graphic design, including balance, contrast, emphasis, movement, and unity. B1	1 **Implement functional design criteria.** MI-11.0801-10.1
	2 **Create product visual design.** MI-11.0801-10.2
	3 **Prepare visual design specifications.** MI-11.0801-5.3
	4 **Create final project plan.** MI-11.0801-5.4
	5 **Produce a digital communication product as member of a development team.** MI-11.0801-7.1
	6 **Employ functional design terms and criteria.** MI-11.0801-7.2
	7 **Produce content for a digital communication product.** MI-11.0801-7.3
	8 **Implement functional design criteria.** MI-11.0801-8.1
	9 **Create product visual design.** MI-11.0801-8.2
	10 **Employ basic motion graphic programming knowledge.** MI-11.0801-8.3
	11 **Create interactive data visualizations using software tools to help others better understand real-world phenomena.** MI-11.0801-8.4
	12 **Predict how computational innovations that have revolutionized aspects of our culture might evolve.** MI-IT-CORE-2.1
	13 **Explain the beneficial and harmful effects that intellectual property laws can have on innovation.** MI-IT-CORE-2.2
	14 **Knowledge of industry indicators useful for identifying technology trends.** MI-IT-CORE-2.3
Use digital tools to edit and produce elements (2D/3D animations, audio, graphics, special effects, text and video) to pr	1 **Implement functional design criteria.** MI-11.0801-10.1
	2 **Create product visual design.** MI-11.0801-10.2
	3 **Create final project plan.** MI-11.0801-5.4

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4 **Produce a digital communication product as member of a development team.** MI-11.0801-7.1

5 **Employ functional design terms and criteria.** MI-11.0801-7.2

6 **Produce content for a digital communication product.** MI-11.0801-7.3

7 **Acquire content for use in a digital communication product.** MI-11.0801-7.4

8 **Implement functional design criteria.** MI-11.0801-8.1

9 **Create product visual design.** MI-11.0801-8.2

10 **Employ basic motion graphic programming knowledge.** MI-11.0801-8.3

11 **Create interactive data visualizations using software tools to help others better understand real-world phenomena.** MI-11.0801-8.4

12 **Explain the beneficial and harmful effects that intellectual property laws can have on innovation.** MI-IT-CORE-2.2

13 **Knowledge of industry indicators useful for identifying technology trends.** MI-IT-CORE-2.3

Design, develop, implement, and evaluate user-friendly, responsive web pages using HTML, CSS, JavaScript, and other web frameworks. B3

1 **Implement functional design criteria.** MI-11.0801-10.1

2 **Create product visual design.** MI-11.0801-10.2

3 **Use basic Web development skills.** MI-11.0801-10.3

4 **Employ basic Web programming knowledge.** MI-11.0801-10.4

5 **Implement a test plan for the digital communication product.** MI-11.0801-11.2

6 **Resolve product problems.** MI-11.0801-11.3

7 **Participate in iterative development with clients and team members.** MI-11.0801-4.1

8 **Define scope of work to meet customer requirements.** MI-11.0801-5.1

9 **Prepare functional specifications.** MI-11.0801-5.2

10 **Prepare visual design specifications.** MI-11.0801-5.3

11 **Create final project plan.** MI-11.0801-5.4

12 **Produce a digital communication product as member of a development team.** MI-11.0801-7.1

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13 **Employ functional design terms and criteria.** MI-11.0801-7.2

14 **Produce content for a digital communication product.** MI-11.0801-7.3

15 **Acquire content for use in a digital communication product.** MI-11.0801-7.4

16 **Employ Web development knowledge.** MI-11.0801-7.5

17 **Describe applications and services used to create rich internet applications.** MI-11.0801-7.8

18 **Implement functional design criteria.** MI-11.0801-8.1

19 **Create product visual design.** MI-11.0801-8.2

20 **Employ basic motion graphic programming knowledge.** MI-11.0801-8.3

21 **Create interactive data visualizations using software tools to help others better understand real-world phenomena.** MI-11.0801-8.4

22 **Predict how computational innovations that have revolutionized aspects of our culture might evolve.** MI-IT-CORE-2.1

23 **Knowledge of industry indicators useful for identifying technology trends.** MI-IT-CORE-2.3

Construct compelling digital stories and storyboards that effectively convey a message or emotion for a targeted audience. B4

1 **Create product visual design.** MI-11.0801-10.2

2 **Participate in iterative development with clients and team members.** MI-11.0801-4.1

3 **Define scope of work to meet customer requirements.** MI-11.0801-5.1

4 **Prepare functional specifications.** MI-11.0801-5.2

5 **Prepare visual design specifications.** MI-11.0801-5.3

6 **Create final project plan.** MI-11.0801-5.4

7 **Produce a digital communication product as member of a development team.** MI-11.0801-7.1

8 **Produce content for a digital communication product.** MI-11.0801-7.3

9 **Implement functional design criteria.** MI-11.0801-8.1

10 **Create product visual design.** MI-11.0801-8.2

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Create interactive data visualizations using software tools to help others better understand real-world phenomena. MI-11.0801-8.4

12 **Predict how computational innovations that have revolutionized aspects of our culture might evolve.** MI-IT-CORE-2.1

13 **Knowledge of industry indicators useful for identifying technology trends.** MI-IT-CORE-2.3

Design intuitive user interfaces and ensure positive user experience and interaction on various digital platforms. B5

1 **Implement functional design criteria.** MI-11.0801-10.1

2 **Create product visual design.** MI-11.0801-10.2

3 **Use basic Web development skills.** MI-11.0801-10.3

4 **Participate in iterative development with clients and team members.** MI-11.0801-4.1

5 **Analyze Usability and Accessibility as it pertains to customer needs.** MI-11.0801-4.2

6 **Define scope of work to meet customer requirements.** MI-11.0801-5.1

7 **Create final project plan.** MI-11.0801-5.4

8 **Seek diverse perspectives for the purpose of improving computational artifacts.** MI-11.0801-5.5

9 **Produce a digital communication product as member of a development team.** MI-11.0801-7.1

10 **Employ functional design terms and criteria.** MI-11.0801-7.2

11 **Produce content for a digital communication product.** MI-11.0801-7.3

12 **Employ Web development knowledge.** MI-11.0801-7.5

13 **Describe applications and services used to create rich internet applications.** MI-11.0801-7.8

14 **Implement functional design criteria.** MI-11.0801-8.1

15 **Create product visual design.** MI-11.0801-8.2

16 **Employ basic motion graphic programming knowledge.** MI-11.0801-8.3

17 **Create interactive data visualizations using software tools to help others better understand real-world phenomena.** MI-11.0801-8.4

18 **Predict how computational innovations that have revolutionized aspects of our culture might evolve.** MI-IT-CORE-2.1

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	19 **Knowledge of industry indicators useful for identifying technology trends.** MI-IT-CORE-2.3
Utilize content management systems and social media platforms to publish, edit, and manage digital content efficiently. B6	1 **Prioritize tasks to be completed.** MI-11.0801-1.2
	2 **Use project-management skills to improve workflow and minimize costs.** MI-11.0801-1.4
	3 **Describe the nature and scope of information management.** MI-11.0801-3.1
	4 **Participate in iterative development with clients and team members.** MI-11.0801-4.1
	5 **Define scope of work to meet customer requirements.** MI-11.0801-5.1
	6 **Create final project plan.** MI-11.0801-5.4
	7 **Produce a digital communication product as member of a development team.** MI-11.0801-7.1
	8 **Produce content for a digital communication product.** MI-11.0801-7.3
	9 **Acquire content for use in a digital communication product.** MI-11.0801-7.4
	10 **Employ Web development knowledge.** MI-11.0801-7.5
	11 **Describe search engine management (SEM) and search engine optimization (SEO).** MI-11.0801-7.6
	12 **Explain concepts involved in social networking.** MI-11.0801-7.7
	13 **Describe applications and services used to create rich internet applications.** MI-11.0801-7.8
	14 **Implement functional design criteria.** MI-11.0801-8.1
	15 **Create product visual design.** MI-11.0801-8.2
	16 **Knowledge of industry indicators useful for identifying technology trends.** MI-IT-CORE-2.3
	17 **Knowledge of industry best practices for service desk.** MI-IT-CORE-6.1
Understand the fundamentals of AR and VR technologies and integrate them into an sin Skip to main content **where relevant.** B7	1 **Participate in iterative development with clients and team members.** MI-11.0801-4.1
	2 **Create final project plan.** MI-11.0801-5.4

	3 **Produce a digital communication product as member of a development team.** MI-11.0801-7.1
	4 **Produce content for a digital communication product.** MI-11.0801-7.3
	5 **Describe applications and services used to create rich internet applications.** MI-11.0801-7.8
	6 **Create interactive data visualizations using software tools to help others better understand real-world phenomena.** MI-11.0801-8.4
	7 **Predict how computational innovations that have revolutionized aspects of our culture might evolve.** MI-IT-CORE-2.1
	8 **Explain the beneficial and harmful effects that intellectual property laws can have on innovation.** MI-IT-CORE-2.2
	9 **Knowledge of industry indicators useful for identifying technology trends.** MI-IT-CORE-2.3
Design and adapt digital media projects to be accessible to a diverse audience, including those with disabilities. C1	1 **Implement functional design criteria.** MI-11.0801-10.1
	2 **Create product visual design.** MI-11.0801-10.2
	3 **Use basic Web development skills.** MI-11.0801-10.3
	4 **Employ basic Web programming knowledge.** MI-11.0801-10.4
	5 **Convey technical concepts from Web design to a non-technical audience.** MI-11.0801-2.1
	6 **Describe the nature and scope of information management.** MI-11.0801-3.1
	7 **Analyze Usability and Accessibility as it pertains to customer needs.** MI-11.0801-4.2
	8 **Define scope of work to meet customer requirements.** MI-11.0801-5.1
	9 **Create final project plan.** MI-11.0801-5.4
	10 **Seek diverse perspectives for the purpose of improving computational artifacts.** MI-11.0801-5.5
	11 **Produce a digital communication product as member of a development team.** MI-11.0801-7.1
	12 **Produce content for a digital communication product.** MI-11.0801-7.3
	Employ Web development knowledge. MI-11.0801-7.5

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	14 **Create product visual design.** MI-11.0801-8.2
	15 **Describe how bandwidth affects data transmission and on-screen image.** MI-11.0801-9.4
	16 **Predict how computational innovations that have revolutionized aspects of our culture might evolve.** MI-IT-CORE-2.1
Demonstrate understanding and respect for copyright laws, fair use, and ethical considerations in digital media production. C2	1 **Implement functional design criteria.** MI-11.0801-10.1
	2 **Create product visual design.** MI-11.0801-10.2
	3 **Use basic Web development skills.** MI-11.0801-10.3
	4 **Employ basic Web programming knowledge.** MI-11.0801-10.4
	5 **Convey technical concepts from Web design to a non-technical audience.** MI-11.0801-2.1
	6 **Describe the nature and scope of information management.** MI-11.0801-3.1
	7 **Differentiate between copyright and trademarks.** MI-11.0801-6.1
	8 **Describe the function of a non-disclosure agreement (NDA).** MI-11.0801-6.2
	9 **Create product visual design.** MI-11.0801-8.2
	10 **Create interactive data visualizations using software tools to help others better understand real-world phenomena.** MI-11.0801-8.4
	11 **Explain the beneficial and harmful effects that intellectual property laws can have on innovation.** MI-IT-CORE-2.2
Organize, plan, and execute digital media projects on time and within budget constraints. C3	1 **Develop goals and objectives.** MI-11.0801-1.1
	2 **Prioritize tasks to be completed.** MI-11.0801-1.2
	3 **Develop timelines using time management knowledge and skills.** MI-11.0801-1.3
	4 **Use project-management skills to improve workflow and minimize costs.** MI-11.0801-1.4
	5 **Implement functional design criteria.** MI-11.0801-10.1
	6 **Create product visual design.** MI-11.0801-10.2
	7 **Use basic Web development skills.** MI-11.0801-10.3
	mploy Web administration skills to maintain a Web application. MI-11.0801-10.5

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	9 **Convey technical concepts from Web design to a non-technical audience.** MI-11.0801-2.1
	10 **Describe the nature and scope of information management.** MI-11.0801-3.1
	11 **Participate in iterative development with clients and team members.** MI-11.0801-4.1
	12 **Define scope of work to meet customer requirements.** MI-11.0801-5.1
	13 **Prepare functional specifications.** MI-11.0801-5.2
	14 **Prepare visual design specifications.** MI-11.0801-5.3
	15 **Create final project plan.** MI-11.0801-5.4
	16 **Produce a digital communication product as member of a development team.** MI-11.0801-7.1
	17 **Produce content for a digital communication product.** MI-11.0801-7.3
	18 **Employ Web development knowledge.** MI-11.0801-7.5
	19 **Explain concepts involved in social networking.** MI-11.0801-7.7
	20 **Create product visual design.** MI-11.0801-8.2
	21 **Create interactive data visualizations using software tools to help others better understand real-world phenomena.** MI-11.0801-8.4
	22 **Skill in managing client relationships, including determining client needs/requirements, managing client expectations, and demonstrating commitment to delivering quality results.** MI-IT-CORE-6.2
Effectively collaborate in a team setting, recognizing the importance of each member's role in digital media production. C4	1 **Develop goals and objectives.** MI-11.0801-1.1
	2 **Describe the nature and scope of information management.** MI-11.0801-3.1
	3 **Participate in iterative development with clients and team members.** MI-11.0801-4.1
	4 **Seek diverse perspectives for the purpose of improving computational artifacts.** MI-11.0801-5.5
	5 **Describe the function of a non-disclosure agreement (NDA).** MI-11.0801-6.2
	6 **Produce a digital communication product as member of a development team.** MI-1.0801-7.1

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'roduce content for a digital communication product. MI-11.0801-7.3

Stay updated with the latest trends, tools, and technologies in the digital media industry and adapt to the evolving landscape. C5	1	**Use basic Web development skills.** MI-11.0801-10.3
	2	**Employ Web administration skills to maintain a Web application.** MI-11.0801-10.5
	3	**Convey technical concepts from Web design to a non-technical audience.** MI-11.0801-2.1
	4	**Describe the nature and scope of information management.** MI-11.0801-3.1
	5	**Differentiate between copyright and trademarks.** MI-11.0801-6.1
	6	**Employ Web development knowledge.** MI-11.0801-7.5
	7	**Explain concepts involved in social networking.** MI-11.0801-7.7
	8	**Describe applications and services used to create rich internet applications.** MI-11.0801-7.8
	9	**Explain the features and functions of Web browsing software.** MI-11.0801-9.1
	10	**Explain the features and functions of Web page design software.** MI-11.0801-9.2
	11	**Knowledge of installation, integration, and optimization of system components.** MI-IT-CORE-1.1
	12	**Knowledge of relevant concepts, procedures, software, equipment, and technology applications.** MI-IT-CORE-1.2
	13	**Knowledge of operating system structures and internals (e.g., process management, directory structure, installed applications).** MI-IT-CORE-1.3
	14	**Knowledge of IT system operation, maintenance, and security needed to keep equipment functioning properly.** MI-IT-CORE-1.4
	15	**Predict how computational innovations that have revolutionized aspects of our culture might evolve.** MI-IT-CORE-2.1
	16	**Explain the beneficial and harmful effects that intellectual property laws can have on innovation.** MI-IT-CORE-2.2
	17	**Knowledge of industry indicators useful for identifying technology trends.** MI-IT-CORE-2.3
	18	**Knowledge of industry best practices for service desk.** MI-IT-CORE-6.1
Implement and interpret search engine op an	1	**Employ Web administration skills to maintain a Web application.** MI-11.0801-10.5
		)escribe the nature and scope of information management. MI-11.0801-3.1

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tools to measure digital media impact. C6

3 **Participate in iterative development with clients and team members.** MI-11.0801-4.1

4 **Prepare functional specifications.** MI-11.0801-5.2

5 **Produce a digital communication product as member of a development team.** MI-11.0801-7.1

6 **Produce content for a digital communication product.** MI-11.0801-7.3

7 **Employ Web development knowledge.** MI-11.0801-7.5

8 **Describe search engine management (SEM) and search engine optimization (SEO).** MI-11.0801-7.6

9 **Explain concepts involved in social networking.** MI-11.0801-7.7

10 **Describe applications and services used to create rich internet applications.** MI-11.0801-7.8

Use artificial intelligence tools to create, design, and support elements of digital media projects. C7

1 **Describe the nature and scope of information management.** MI-11.0801-3.1

2 **Participate in iterative development with clients and team members.** MI-11.0801-4.1

3 **Produce a digital communication product as member of a development team.** MI-11.0801-7.1

4 **Produce content for a digital communication product.** MI-11.0801-7.3

5 **Acquire content for use in a digital communication product.** MI-11.0801-7.4

6 **Describe applications and services used to create rich internet applications.** MI-11.0801-7.8

7 **Predict how computational innovations that have revolutionized aspects of our culture might evolve.** MI-IT-CORE-2.1

8 **Explain the beneficial and harmful effects that intellectual property laws can have on innovation.** MI-IT-CORE-2.2

9 **Knowledge of industry indicators useful for identifying technology trends.** MI-IT-CORE-2.3