

Supplemental Materials for IN150 Foundations for Success in Information Technology Careers

Purpose

This module, created by Professor Nick, is designed to support your studies as an optional but highly recommended resource. While there are no graded assignments, this space will serve as a repository for important materials, including new documents, slides, and other helpful content. Be sure to check back each week for updates and additional resources to enhance your learning experience

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Academic Support and Citing Resources

Be sure to bookmark the following resources:

- Taking screenshots: <https://www.take-a-screenshot.org/>
- Tutors and other help: [Academic Success Center](#)
- Grammarly: <https://www.grammarly.com/>
- Plagiarism:
- Here are some videos from the Academic Success Center (Writing Center) on your campus website:
 - Purdue OWL Writing Lab - APA 7.0
Formatting: https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/general_format.html
 - APA 7.0 Demystified in 5 minutes: <https://campus.purdueglobal.edu/media/apa-demystified-in-5-minutes>
 - Paraphrasing: <https://campus2.purdueglobal.edu/media/a-quick-guide-to-paraphrasing>
 - Citation Machine: <http://www.citationmachine.net/>
- ChatGPT and other AI applications:
 - Please follow the Purdue Global Guidelines found in the Campus website: <https://campus.purdueglobal.edu/article/artificial-intelligence-ai-and-writing-general-guidelines-for-students>
 - How to cite ChatGPT: <https://apastyle.apa.org/blog/how-to-cite-chatgpt>

Discussion Board Expectations

There are graded discussions in each unit of this course. Follow these rules for each discussion topic:

- **Initial Post** - This is your answer to the questions at the top of the page. It must be at least 100 words and posted on or before Saturday night at 11:59 pm ET during the unit week.

- **Responses to others** -- Two replies to other posts by two different classmates must also be made each week. These responses must provide content that advances the discussion, which also means they should be *several lines long* and have more substance than just an agreement or a compliment.
- **Timing** -- Again, the initial post should be completed on or before Saturday is over. Post on a minimum of **three different days** during the week that the unit is in progress and remember that **everything is graded in Eastern Time zone**. Once a unit is officially over, no additional posts will count for points.

Other Rules and Requirements

- Read the instructor's first post in each unit before posting your initial responses each week.
- Use *only black text* (it is okay if links are blue). Readability counts; do *not* use background colors or fancy fonts. This is an effort to ensure inclusivity in our classroom.
- Use a descriptive subject line for your initial posts. Do *not* label your first post "initial post", "first post", "Unit # post", or "my response," etc.
- Do *not* copy the questions into your posts - it is actually plagiarizing to do so, and it does not show an understanding of the material. Your posts' content should be able to stand on its own.
- Stay on topic.
- Respect others for their opinions.
- Organize your ideas using logical paragraphing.
- Write in your own words and use appropriate writing skills.

Industry Certifications

Earning industry certifications while you are working on your degree will greatly enhance your resume and career opportunities.

- Purdue University Global has an academic partnership with CompTIA®, and students can get deep discounts (over 50% off) on exam vouchers for all CompTIA certifications. Students can visit the [CompTIA site](#) and use a PG student email account to obtain the discounted vouchers or training materials.

- Students can save 40% on practice exams from [CyberVista](#) for Microsoft®, CompTIA, Cisco®, ITIL®, Oracle®, and more. Use promo code PG30 at checkout.
- Keep in mind, Purdue Global articulates industry certifications for college credits, both in undergraduate and graduate programs. If you earn certifications while enrolled and have not yet taken the related course, please submit your certification transcripts for articulation. The list of [IT certifications/examinations approved for transfer](#) includes the instructions on how to submit transcripts for each unique vendor.
- Ask your instructor about certifications! Most of them have earned the certifications related to the courses they teach and can share their experience.
- Also, please see the [Free and Discounted certifications](#) included in this document.

Seminars: Information

Seminars are listed in Eastern Time zone; visit [time.is](#) (and choose New York time) to see the current ET.

Click on the date in the calendar to the right and follow links to the live session. You can also click More Tools (in the navigation bar)>Seminar>Upcoming Meetings>Start or the Topic in blue. You may enter the meeting before the hour but there will not be any information until the top of the hour. You should be prepared to enter directly at the hour.

You will need to have your speakers turned on to hear the professor speak during the session. Seminars will be graded for full-hour *participation*. If you are unable to participate fully, complete the alternative before the unit is over. Per PG policy, if you come to the seminar and do the alternative, the higher of the two grades will be awarded.

If you do the alternative (Option 2), make sure you write in your own words and follow the instructions given in BrightSpace:

“While viewing the entire recording of this week’s archived Seminar, create a summary document. Seminar slides should not be copied – this would be considered plagiarism. You should be able to view the recording and make notes at the same time so that you capture the following items:

- Describe the main points discussed in the Seminar.
- Include sub-topics and/or subsequent classroom discussion from the **entire** Seminar.

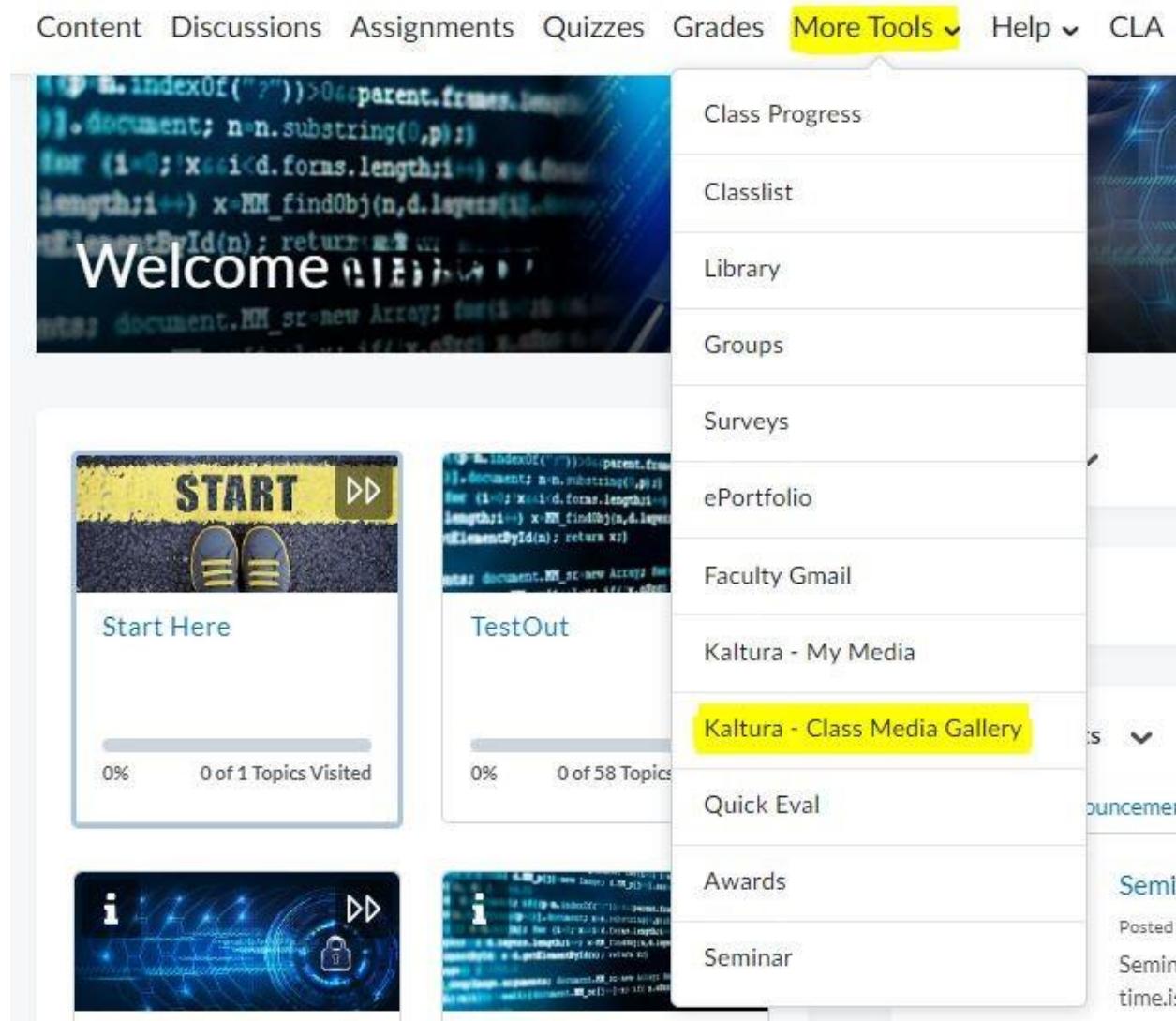
- Include points found of interest about the unit content **and/or** any additional reflections or questions about the unit content.

You may write the assignment in a bulleted list format or paragraph format. APA style is not required. Remember to review the grading rubric so that you include all of the required elements.”

Seminars: Recorded Sessions

On the off chance that something happens and a seminar is not able to occur as planned or you are unable to attend - you can still watch the recording.

Videos and seminars created for this course can be accessed in the Kaltura-Class Media Gallery in More Tools from the Top Navigation Bar:



The screenshot shows a top navigation bar with links: Content, Discussions, Assignments, Quizzes, Grades, More Tools (which is currently selected and highlighted with a yellow box), Help, and CLA. Below this, a 'Class Progress' box is visible. The main content area displays two cards: 'Start Here' and 'TestOut'. The 'Start Here' card shows a progress bar at 0% completion with '0 of 1 Topics Visited'. The 'TestOut' card shows a progress bar at 0% completion with '0 of 58 Topics Visited'. To the right, a vertical 'More Tools' menu is open, listing: Classlist, Library, Groups, Surveys, ePortfolio, Faculty Gmail, Kaltura - My Media, Kaltura - Class Media Gallery (which is also highlighted with a yellow box), Quick Eval, Awards, and Seminar. At the bottom of the menu, there are partially visible items: 'Semi', 'Posted', and 'Semin'.

Seminars: Previously Recorded Sessions

Our term may overlap with many holidays and there may not be some seminars hosted; however, you are still expected to watch previously recorded seminars. Below you will find previously recorded seminars to perform the alternative assignment if seminar is not hosted during that week.

Unit	Recording
1	Sep '24 Seminar Dec '24 Seminar
2	Sep '24 Seminar Dec '24 Seminar
3	Sep '24 Seminar Dec '24 Seminar
4	Sep '24 Seminar
5	Sep '24 Seminar
6	Sep '24 Seminar Dec '24 Seminar
7	Sep '24 Seminar Dec '24 Seminar
8	Sep '24 Seminar Dec '24 Seminar
9	Sep '24 Seminar Dec '24 Seminar

Unit	Recording
10	<u>Sep '24 Seminar</u> <u>Dec '24 Seminar</u>
Extra Seminar	<u>Career Services Seminar</u> <p>Additional Resources:</p> <u>Guide to Gaining Experience</u> <u>Commonly Asked Interview Questions</u> <u>IT Sample Resume</u> <u>Resume Guide</u> <u>Cover Letter Guide</u> <u>Interview Guide</u>

Proposed Weekly Study Schedule

Each week, I'll put in a suggested pacing guide to help you progress adequately throughout the course, while giving grace to the other commitments you have at Purdue Global and in your daily lives. You do not have to use the pacing guide; however, it is strongly recommended that you do so. Should you need to work ahead of this module because of life circumstances, please email me directly at nicholas.mahoney@purdueglobal.edu.

Week 1 Proposed Study Schedule

Day	Task
Wednesday	<ul style="list-style-type: none"> • Review the Announcements for this course • Attend Seminar • Review the Supplemental Resource Materials provided by your professor for this course • Familiarize yourself with 0.1 - How to Use the Course of this course on the CompTIA platform • Post your introduction to the Introduce Yourself! Discussion Board (due by Saturday at 11:59pm EST)
Thursday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Introduce Yourself! Discussion Board • Complete the Unit 1 Reading • Complete the Unit 1 Learning Activities section and save your responses
Friday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Introduce Yourself! Discussion Board • Complete the Unit 1 Discussion
Saturday	<ul style="list-style-type: none"> • Post one response to a fellow student in each of this week's Discussion Boards • Ensure you post your initial response in the Discussion Boards by 11:59pm EST
Sunday	Plan for a rest day sometime this week to ensure you do not get burned out!
Monday	<ul style="list-style-type: none"> • Post one response to a fellow student in each of this week's Discussion Boards • Complete the Unit 1 Assignment after you have completed your reading
Tuesday	Post one response to a fellow student in each of this week's Discussion Boards

Week 2 Proposed Study Schedule

Day	Task
Wednesday	<ul style="list-style-type: none">• Review the Announcements for this course• Attend Seminar• Familiarize yourself with Unit 2 of this course• Start the Reading Material Section
Thursday	<ul style="list-style-type: none">• Complete the Reading Material
Friday	<ul style="list-style-type: none">• Post your initial response to the Unit 2 Discussion Board
Saturday	<ul style="list-style-type: none">• Post one response to a fellow student in the Discussion Board• Ensure you post your initial response in the Discussion Board by 11:59pm EST• Complete the Unit 2 Learning Activity
Sunday	Plan for a rest day sometime this week to ensure you do not get burned out!
Monday	<ul style="list-style-type: none">• Post one response to a fellow student in the Discussion Board• Start the Unit 2 Assignment
Tuesday	<ul style="list-style-type: none">• Post one response to a fellow student in the Discussion Board• Complete the Unit 2 Assignment

Week 3 Proposed Study Schedule

Day	Task
Wednesday	<ul style="list-style-type: none"> • Review the Announcements for this course • Attend Seminar • Familiarize yourself with Unit 3 of this course • If you had not in unit 1 read Unit 0.0 in the CompTIA material, please complete that as soon as possible • Complete 1.1.1-1.1.16 in the CompTIA material (The Information Age) • While not required, you are strongly encouraged to complete 1.1.17-1.1.18 in the CompTIA material (The Information Age)
Thursday	<ul style="list-style-type: none"> • Complete 1.2.1, 1.2.2., 1.2.3, 1.2.11, 1.2.12 in the CompTIA material (The Internet and Social Media) • Complete 1.3.1 - 1.3.6 in the CompTIA material (Digital Communication)
Friday	<ul style="list-style-type: none"> • Complete 1.4.1 - 1.4.4, 1.4.7 - 1.4.8 in the CompTIA material (Online Safety and Security) • While not required, you are strongly encouraged to complete 1.4.13 in the CompTIA material (Online Safety and Security) • Organize your notes from the sections you read as they will help you with your assignment this week • Start your initial post in the Discussion Board
Saturday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Discussion Board • Ensure you post your initial response in the Discussion Board by 11:59pm EST • Complete 1.5.5 - 1.5.6 in the CompTIA material • Complete the following labs for an automatic grade in the gradebook: 1.4.14 - 1.4.17
Sunday	Plan for a rest day sometime this week to ensure you do not get burned out!
Monday	<ul style="list-style-type: none"> • Complete 2.1.1-2.1.13 in the CompTIA material (Note: Computer Hardware can be challenging, if you can work ahead, that's preferred to build yourself some buffer) • While not required, you are strongly encouraged to complete 2.1.14, 2.1.19 in the CompTIA material • Post one response to a fellow student in the Discussion Board
Tuesday	<ul style="list-style-type: none"> • Complete 2.2.1-2.2.12 in the CompTIA material • While not required, you are strongly encouraged to complete 2.2.13, 2.2.18 in the CompTIA material • Post one response to a fellow student in the Discussion Board

Week 4 Proposed Study Schedule

Day	Task
Wednesday	<ul style="list-style-type: none"> • Review the Announcements for this course • Attend Seminar • Familiarize yourself with Unit 4 of this course • Complete 8.1.1 - 8.1.3, 8.2.1 - 8.2.4 in the CompTIA material • While not required, you are strongly encouraged to complete 8.2.7, 8.4.6 in the CompTIA material
Thursday	<ul style="list-style-type: none"> • Complete 8.2.10, 8.2.11 labs in the CompTIA material for an automatic grade • Complete 8.3.1 - 8.3.5, 8.4.1 - 8.4.4 in the CompTIA material • While not required, you are strongly encouraged to complete 8.4.6 lab in the CompTIA material
Friday	<ul style="list-style-type: none"> • Post your initial response in the Discussion Board • Complete 8.4.9, 8.4.10 labs in the CompTIA material for an automatic grade • Complete 1.3.12 - 1.3.13 in the CompTIA material • While not required, you are strongly encouraged to complete 1.3.14-1.3.15 in the CompTIA material
Saturday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Discussion Board • Ensure you post your initial response in the Discussion Board by 11:59pm EST • Complete 6.1.1 - 6.1.3 in the CompTIA material • Complete 6.2.1 - 6.2.3, 6.2.6 in the CompTIA material • While not required, you are strongly encouraged to complete 6.2.4 lab in the CompTIA material • Complete 6.2.7 - 6.2.8 labs in the CompTIA material for an automatic grade
Sunday	Plan for a rest day sometime this week to ensure you do not get burned out!
Monday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Discussion Board • Complete 6.3.1 - 6.3.4, 6.3.7 in the CompTIA material • While not required, you are strongly encouraged to complete 6.3.5 lab in the CompTIA material • Complete 6.3.8 lab in the CompTIA material for an automatic grade
Tuesday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Discussion Board • Complete 6.4.1 - 6.4.3 in the CompTIA material • While not required, you are strongly encouraged to complete 6.4.4 lab in the CompTIA material • Complete 6.4.8 lab in the CompTIA material for an automatic grade

Week 5 Proposed Study Schedule

Day	Task
Wednesday	<ul style="list-style-type: none"> • Review the Announcements for this course • Attend Seminar • Familiarize yourself with Unit 5 of this course • Complete 4.1.1 - 4.1.2, 4.2.1 - 4.2.6, 4.2.9 in the CompTIA material • Complete 4.2.10 lab in the CompTIA material for an automatic grade • While not required, you are strongly encouraged to complete 4.2.7 lab in the CompTIA material
Thursday	<ul style="list-style-type: none"> • Complete 4.3.1 - 4.3.3, 4.3.6, 4.4.1 - 4.4.5, 4.4.8 in the CompTIA material • Complete 4.3.7, 4.4.9 labs in the CompTIA material for an automatic grade • While not required, you are strongly encouraged to complete 4.3.4, 4.4.6 labs in the CompTIA material • Start your initial post in the Discussion Board
Friday	<ul style="list-style-type: none"> • Post your initial response to the Discussion Board • Complete 4.5.1. - 4.5.4, 4.5.7, 4.6.1 - 4.6.2, 4.6.4, 4.6.7 in the CompTIA material • While not required, you are strongly encouraged to complete 4.6.5 lab in the CompTIA material • Complete 4.6.9 lab in the CompTIA material for an automatic grade
Saturday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Discussion Board • Ensure you post your initial response in the Discussion Board by 11:59pm EST • Complete 4.10.1 - 4.10.5, 4.10.8 in the CompTIA material
Sunday	Plan for a rest day sometime this week to ensure you do not get burned out!
Monday	<ul style="list-style-type: none"> • Complete 4.11.1 - 4.11.5, 4.11.8 in the CompTIA material • Post one response to a fellow student in the Discussion Board
Tuesday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Discussion Board • Complete 4.12.1 in the CompTIA material

Week 6 Proposed Study Schedule

Day	Task
Wednesday	<ul style="list-style-type: none"> • Review the Announcements for this course • Attend Seminar • Familiarize yourself with Unit 6 of this course • Complete 5.1.1 - 5.1.2 in the CompTIA material
Thursday	<ul style="list-style-type: none"> • Post your initial post in the Discussion Board • Complete 5.2.1 - 5.2.6, 5.2.9 in the CompTIA material • Complete 5.2.9 lab in the CompTIA material for an automatic grade • While not required, you are strongly encouraged to complete 5.2.6 lab in the CompTIA material
Friday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Discussion Board • Complete 5.3.1 - 5.3.4, 5.3.7 in the CompTIA material • Complete 5.3.9 lab in the CompTIA material for an automatic grade • While not required, you are strongly encouraged to complete 5.3.5 lab in the CompTIA material
Saturday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Discussion Board • Ensure you post your initial response in the Discussion Board by 11:59pm EST
Sunday	Plan for a rest day sometime this week to ensure you do not get burned out!
Monday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Discussion Board • Complete 5.5.1 - 5.5.5, 5.5.8 in the CompTIA material • Complete 5.5.9 lab in the CompTIA material for an automatic grade • While not required, you are strongly encouraged to complete 5.5.6 lab in the CompTIA material
Tuesday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Discussion Board

Week 7 Proposed Study Schedule

Day	Task
Wednesday	<ul style="list-style-type: none">• Review the Announcements for this course• Attend Seminar• Familiarize yourself with Unit 7 of this course• Start reading the Reading Material
Thursday	<ul style="list-style-type: none">• Complete the Reading Material• Post your initial post in the Discussion Board
Friday	<ul style="list-style-type: none">• Start your initial post in the Discussion Board• Complete the Unit 7 Learning Activity
Saturday	<ul style="list-style-type: none">• Post one response to a fellow student in the Discussion Board• Ensure you post your initial response in the Discussion Board by 11:59pm EST
Sunday	Plan for a rest day sometime this week to ensure you do not get burned out!
Monday	<ul style="list-style-type: none">• Complete the Unit 7 Assignment• Post one response to a fellow student in the Discussion Board
Tuesday	<ul style="list-style-type: none">• Post one response to a fellow student in the Discussion Board

Week 8 Proposed Study Schedule

Day	Task
Wednesday	<ul style="list-style-type: none">• Review the Announcements for this course• Attend Seminar• Familiarize yourself with Unit 8 of this course• Start reading the Reading Material
Thursday	<ul style="list-style-type: none">• Complete the Reading Material• Post your initial post in the Discussion Board
Friday	<ul style="list-style-type: none">• Start your initial post in the Discussion Board• Complete the Unit 8 Learning Activity• Start the Unit 8 Assignment
Saturday	<ul style="list-style-type: none">• Post one response to a fellow student in the Discussion Board• Ensure you post your initial response in the Discussion Board by 11:59pm EST
Sunday	Plan for a rest day sometime this week to ensure you do not get burned out!
Monday	<ul style="list-style-type: none">• Continue the Unit 8 Assignment• Post one response to a fellow student in the Discussion Board
Tuesday	<ul style="list-style-type: none">• Post one response to a fellow student in the Discussion Board• Complete the Unit 8 Assignment

Week 9 Proposed Study Schedule

Day	Task
Wednesday	<ul style="list-style-type: none"> • Review the Announcements for this course • Attend Seminar • Familiarize yourself with Unit 9 of this course • Start reading the Reading Material
Thursday	<ul style="list-style-type: none"> • Complete the Reading Material • Post your initial post in the Discussion Board
Friday	<ul style="list-style-type: none"> • Start your initial post in the Discussion Board • Complete the Unit 9 Learning Activity • Start the Unit 9 Assignment
Saturday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Discussion Board • Ensure you post your initial response in the Discussion Board by 11:59pm EST
Sunday	Plan for a rest day sometime this week to ensure you do not get burned out!
Monday	<ul style="list-style-type: none"> • Continue the Unit 9 Assignment • Post one response to a fellow student in the Discussion Board
Tuesday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Discussion Board • Complete the Unit 9 Assignment

Week 10 Proposed Study Schedule

Day	Task
Wednesday	<ul style="list-style-type: none"> • Review the Announcements for this course • Attend Seminar • Familiarize yourself with Unit 10 of this course • Start reading the Reading Material
Thursday	<ul style="list-style-type: none"> • Complete the Reading Material • Post your initial post in the Discussion Board
Friday	<ul style="list-style-type: none"> • Start your initial post in the Discussion Board • Complete the Unit 10 Learning Activity • Start the Unit 10 Assignment
Saturday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Discussion Board • Ensure you post your initial response in the Discussion Board by 11:59pm EST
Sunday	Plan for a rest day sometime this week to ensure you do not get burned out!
Monday	<ul style="list-style-type: none"> • Continue the Unit 10 Assignment • Post one response to a fellow student in the Discussion Board
Tuesday	<ul style="list-style-type: none"> • Post one response to a fellow student in the Discussion Board • Complete the Unit 10 Assignment

Free and Discounted Certifications

Last Updated 2/2/25

Project Management

Project Management Institute – Kickoff (Free)

PMI Kickoff provides a foundational understanding of project management concepts that are crucial for planning, organizing, and executing projects effectively. By mastering these principles, you'll gain practical insights into how to deliver successful projects, whether you are leading teams, collaborating as a member, or contributing as a stakeholder. This assignment ensures you gain hands-on experience with globally recognized project management practices, preparing you for both academic and professional success.

Link: <https://www.pmi.org/kickoff>

Product Management

Pendo - Product-led Teams Certification (Free)

This course provides valuable insights into how to apply product-led strategies to drive growth for your organization. Through seven engaging modules, you will learn key concepts such as leveraging data, evolving product delivery strategies, driving customer success, and implementing product-led methodologies within your organization. By the end of the course, you will have earned a "Product-Led Certified" badge to enhance your professional profile.

Link: <https://www.pendo.io/product-led/certification-course/>

Mind The Product – Radical Product Thinking: Vision Setting Course (Free)

The Radical Product Thinking: Vision Setting Course explores why conventional thinking about visioning is flawed—including what makes a good product vision statement and how to create a shared vision that fuels team and organizational alignment.

Link: <https://www.pendo.io/radical-product-thinking-vision-setting-course/>

Mind the Product – Digital Adoption Certification Course (Free)

You may know [what digital adoption is](#), but this Digital Adoption Certification Course breaks down what it means to build optimal digital experiences for internal users in order to increase software and workflow adoption, remove business process friction, and drive [employee productivity](#).

Link: <https://www.pendo.io/digital-adoption-certification/>

Mind the Product/Google/Pendo – AI for Product Management (Free)

The AI for Product Management Course explores AI's place in product management—including how to leverage AI throughout the development life cycle, best practices for building AI-powered features, and why product managers should view AI as a strategic tool, not a threat.

Link: <https://www.pendo.io/ai-for-product-management-course/>

Pendo – Product Management Basics Certification Course (Free)

Product Management Basics covers the fundamentals of the product manager role, a comprehensive overview of the Product Management Life Cycle, and best practices for building products that impact business outcomes.

Link: <https://www.pendo.io/product-management-basics-certification/>

Career Foundry – Intro to Product Design Course (Free)

Discover the entire product design process, from concept to delivery. Learn the fundamental principles of product design, including Design Thinking, product strategy, and user-centred design. Apply core product design skills, such as user research and usability testing, as you practice using the design process to integrate an AI feature into an app.

Link: <https://careerfoundry.com/en/courses/intro-to-product-design/>

Career Foundry – Intro to Product Management (Free)

Discover the entire product management process, from concept to delivery. Explore the day-to-day work of a product manager, including collaborating with other roles on the job,

and present your ideas to stakeholders. Apply core product management skills, such as conducting research effectively, and creating and maintaining a product roadmap. Work 1:1 with an expert mentor and tutor, who will give you personalized feedback and insights into life as a product manager.

Link: <https://careerfoundry.com/en/courses/intro-to-product-management/>

Data Analytics

Pendo – Product Analytics Certification Course (Free)

The Product Analytics Certification Course from Pendo and Mind the Product dives deep into the foundations of product analytics strategy, from [what is product analytics](#), use cases for leveraging analytics, and how to foster a data-driven product organization and company.

Link: <https://www.pendo.io/product-analytics-certification/>

Career Foundry – Intro to Data Analytics Course

Discover the entire data analysis process, from mastering the fundamental principles to presenting the results of your analysis. Get to know how data can be used to solve business problems with intelligent solutions. Apply core analytical approaches, such as descriptive, predictive, and diagnostic, as you interpret, visualize, and present your very first data analysis.

Link: <https://careerfoundry.com/en/courses/intro-to-data-analytics/>

User Experience/User Interface

Miro (Free)

Miro offers many free certifications that can be completed in under 2 hours from designing sprints, kanban boards, to technical diagramming, and creating remote whiteboarding sessions.

Link: <https://academy.miro.com/page/course-catalog>

Career Foundry – UI Design Intro Course (Free)

Written by the same experts who create our full UI Design Program, this course will give you a hands-on introduction to UI design. In the space of five tutorials, you'll use Figma to design your own app screen from start to finish—learning key UI principles as you go. This is an ideal starting point if you're new to UI design and curious to learn more.

Link: <https://careerfoundry.com/en/short-courses/become-a-ui-designer/>

Career Foundry – Intro to UX Course (Free)

Discover the entire UX design process, from concept to delivery. Learn the fundamental principles of UX design, including Design Thinking, user-centred design, and information architecture. Apply core UX skills, such as user research and iterative design, as you create your very first app design. Work 1:1 with an expert mentor and tutor, who will give you personalized feedback and insights into life as a UX designer.

Link: <https://careerfoundry.com/en/courses/ux-fundamentals/>

Digital Marketing

Career Foundry – Intro to Digital Marketing (Free)

Dive into the world of digital marketing while gaining hands-on experience developing and implementing your very own social media campaign. Explore the ins and outs of digital marketing strategy, competitor research, personas, and branding, before creating and launching content of your own design. Learn how to analyze your campaign results and effectively communicate your findings and recommendations to colleagues and stakeholders. Work 1:1 with an expert mentor and tutor, who will give you personalized feedback and insights into life as a digital marketer. Join an active community of over 5000 graduates and 700 instructors, and get access to exclusive digital marketing events and webinars.

Link: <https://careerfoundry.com/en/courses/intro-to-digital-marketing/>

Software Development

Career Foundry - Intro to Frontend Development (Free)

Discover the entire web development process by building a fully-functional website from scratch. Learn the fundamental frontend development languages; HTML and CSS. Apply core web development skills, such as building responsive layouts and de-bugging, as you

deliver your first web development project. Work 1:1 with an expert mentor and tutor, who will give you personalized feedback and insights into life as a web developer.

Link: <https://careerfoundry.com/en/courses/intro-to-frontend-development/>

Geeks for Geeks – Free Python Course with a Certificate – Updated 2025 (Free)

This **free Python online course** will become your go-to guide that will help you get started in the world of Python programming at your own pace. In this Python full course, you will learn how to solve coding problems using Python programming language. Not only this, but you will also learn all the knowledge that is necessary for you to convert your coding logic into efficient Python code.

Link: <https://www.geeksforgeeks.org/courses/python-course-certification-free>

My Great Learning.com – Free Beginning Java Course (Free)

This Java free course is an excellent entry point for beginners eager to grasp the fundamentals of Java programming. The journey begins with a concise introduction to the Java programming language, followed by guidance on installing Java IDE. As you progress, you will delve into various programming concepts such as variables, data types, operators, arrays, flow control statements, and functions, all demonstrated through relevant code examples.

This course offers a unique chance to dive deep into creating your first Java program, providing a solid foundation in the early stages of Java programming. By enrolling in this free Java course, completing the quizzes, and fulfilling course requirements, you will earn a certificate of completion. Don't miss this opportunity to enhance your skills with a Java course free of charge, specifically designed for those new to Java programming.

Link: <https://www.mygreatlearning.com/academy/learn-for-free/courses/java-programming>

Geeks for Geeks – Free C++ Online Course with Certificate (Free)

Learn and master C++ programming with our free C++ Course with certificate! This beginner-friendly course is perfect for anyone looking to learn the fundamentals of C++. Through easy-to-follow lessons and hands-on projects, you'll master key CPP concepts like variables, loops, functions, structures, arrays, pointers, vectors, stacks, queues, & more.

Link: <https://www.geeksforgeeks.org/courses/free-cpp-course-online-certification>

SimpliLearn – HTML Course for Beginners (Free)

The markup language used to construct web pages is called HTML. HTML is an abbreviation for Hypertext Markup Language. The word "hypertext" refers to the linking of websites. The document of text within the tag that specifies the layout of web pages is defined using a markup language. HTML provides instructions to the user on how it should present a web page's contents, images, videos, and text.

HTML documents are downloaded from the internet server or local storage by web browsers, who then turn them into the internet web pages. HTML initially featured cues for a web page's look and technically explains the framework of a web page. HTML can modify web pages' functionality and content by embedding scripts written in programming languages like JavaScript.

The appearance and organisation of material are determined by the use of CSS (Cascading Style Sheets). Every piece of HTML markup has default properties that are set by the browser; however, the page on the internet designer may also use CSS to change or improve these properties. The many kinds of HTML tags and components will be covered, along with how to organise and style your web pages using HTML and how to include text, photos, videos, and other information.

Link: <https://www.simplilearn.com/free-html-course-for-beginners-skillup>

Cybersecurity and Network Engineering

ISC2 – Entry-level Cybersecurity Training + Certification Exam (Limited time – Free)

Proves you have the foundational knowledge, skills and abilities for an entry- or junior-level cybersecurity role.

WHAT TO EXPECT ON THE CC EXAM

Domain 1. Security Principles

Domain 2. Business Continuity (BC), Disaster Recovery (DR) & Incident Response Concepts

Domain 3. Access Controls Concepts

Domain 4. Network Security

Domain 5. Security Operations

Link: <https://www.isc2.org/landing/1mcc>

Palo Alto Networks – Introduction to Cybersecurity (Free)

This course introduces the fundamentals of cybersecurity, including the concepts needed to recognize and potentially mitigate attacks against home networks and mission-critical infrastructure. Learn about the current cybersecurity landscape, how to identify cybersecurity threats, evaluate different malware types and cyberattack techniques, the relationship between vulnerabilities and exploits, how spamming and phishing attacks are performed, Wi-Fi vulnerabilities, attacks, and advanced persistent threats, and perimeter-based Zero Trust security models.

Link: <https://beacon.paloaltonetworks.com/sl/a0e236ad>

Palo Alto Networks – Fundamentals of Network Security (Free)

The Fundamentals of Network Security course helps you recognize and potentially defend home networks and mission-critical infrastructure. Discover the basic operations of enterprise networks, common networking devices, routed and routing protocols, network types and topologies, and services such as DNS. Learn about IP addressing, subnetting, packet encapsulation based on the Open Systems Interconnection (OSI) model, network security technologies such as packet filtering, stateful inspection, application firewalls, IDS and IPS, web content filters and more.

Link: <https://beacon.paloaltonetworks.com/sl/a859a574>

Palo Alto Networks – Fundamentals of Cloud Security (Free)

The Fundamentals of Cloud Security course introduces concepts on how to recognize threats and potentially defend data centers, public/private clouds, enterprise networks, and small office/home office (SOHO) networks from cloud-based attacks. Discover how to describe cloud computing models, virtualization, hypervisors, public cloud service provider options, and private deployment options and more.

Link: <https://beacon.paloaltonetworks.com/sl/b0ff1947>

Palo Alto Networks – Fundamentals of Security Operations Center (SOC) (Free)

The Fundamentals of SOC (Security Operations Center) training is a high-level introduction to the general concepts of SOC and SecOps. Learn about the security operations framework, people, processes, and technology required to support and defend the business, and the interfaces needed with other organizations outside of the SOC.

Link: <https://beacon.paloaltonetworks.com/sl/f8299032>

Linux-Based

The Linux Foundation – Blockchain: Understanding its uses and implications (Free)

Understand exactly what a blockchain is, its impact and potential for change around the world, and analyze use cases in technology, business, and enterprise products and institutions.

Link: <https://www.edx.org/course/understanding-blockchain-and-its-implications>

The Linux Foundation – Introduction to Open Source Networking Technologies

Learn technical fundamentals needed to adopt SDN, NFV, disaggregation, orchestration, network automation, and modern networking. Discover use cases and technical options for open networking.

Link: <https://www.edx.org/course/introduction-to-software-defined-networking-technologies>