



# **Appendix A17**

# **WORK PROCESS SCHEDULE**

# AND

# **RELATED INSTRUCTION OUTLINE**

FOR THE OCCUPATION OF: UI/UX Designer (EXISTING TITLE: User Experience Designer) O\*NET-SOC CODE: 15-1255.00 RAPIDS CODE: 2098CB





# Appendix A17

#### WORK PROCESS SCHEDULE UI/UX Designer (EXISTING TITLE: User Experience Designer) O\*NET-SOC CODE: 15-1255.00 RAPIDS CODE: 2098CB

This schedule is attached to and a part of these Standards for the above identified occupation.

1.	APPRENTICESHIP APPROA	СН	
	□ Time-based	⊠ Competency-based	□ Hybrid

#### 2. TERM OF APPRENTICESHIP

The term of the occupation shall be defined by the attainment of all competencies of the position, which would be reasonably expected to occur within 2 to 3 years of OJL, supplemented by 345 hours of related instruction during the apprenticeship. The sponsor may recognize prior-learning achievements or demonstration of competencies to account for related instruction or OJL hours.

#### 3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The apprentice to journeyworker ratio is: 1 Apprentice to 1 Journeyworker per worksite.

#### 4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages. Apprentices' starting wage should be a minimum of \$14.77 per hour. The journeyworker wage is \$16.83 per hour, which is to be paid to the apprentice after completion of the apprenticeship. The starting wage and journeyworker wage may be adjusted to accommodate each employer and shall be uploaded into the Rapids database. This wage scale is specifically for Denver, CO, and may vary based on minimum wage laws in different geographic locations, which will be indicated on Appendix D.

Term:

1 <sup>st</sup> Period	Starting Wage (0-18 months)	\$14.77/hr
2 <sup>nd</sup> Period	On level (18-36 months)	\$15.87/hr
Completion	Full Competency	\$16.83/hr

#### 5. **PROBATIONARY PERIOD**

Every apprentice selected for apprenticeship will serve a probationary period of 500 hours.

#### 6. SELECTION PROCEDURES

Please see page 21.





#### WORK PROCESS SCHEDULE UI/UX Designer (EXISTING TITLE: User Experience Designer) O\*NET-SOC CODE: 15-1255.00 RAPIDS CODE: 2098CB

**Description:** User Interface/User Experience (UI/UX) Designers create digital user interfaces or websites. They are responsible for developing and testing layouts, interfaces, functionality, and navigation menus to ensure compatibility and usability across browsers or devices. UI/UX Designers should be prepared to integrate empathy into their work to help build products that enhance user experiences. They must clearly define problems or challenges, then work through a solutions process to a successful end result. They may use web framework applications as well as client-side code and processes. Designers may also use industry-specific evaluation to review web design and analyze web-use metrics and optimize websites for marketability and search engine ranking.

**On-The-Job Training:** Apprentices will receive training in the various work experiences listed below. The order in which this training is given will be determined by the flow of work on the job and will not necessarily be in the order listed.

Ratings are:

- (4) Exceeds Expectations (Advanced)
- (3) Meets Expectations (Proficient)
- (2) Meets Some Expectations (Emerging)
- (1) Does Not Yet Meet Expectations (Novice)
- (0) Not applicable (No Skill)

4. Exceeds Expectations (Advanced): Consistently exceeds performance standard established for the time in position. Achieves results above and beyond what is required. Extends themselves in their roles to exceed personally and as a team to achieve exceptional results.

3. Meets Expectations (Proficient): Employee meets all expectations in a fully satisfactory way and is proficient in the outlined competencies.

2. Meets Some Expectations (Emerging): Meets the performance standards established for time in position. Handles routine tasks & some unexpected situations with the usual amount of supervision. Can continue to develop with coaching, training or more experience to gain proficiency.

1. Does Not Yet Meet Expectations (Novice): Occasionally meets some of the objectives related to this goal but does not meet others in a fully satisfactory way. This performance level generally indicates the need for additional coaching, training or other plan for performance improvements.

0. Not Applicable (No Skill): Training in this competency has not yet begun.

Apprentices need to receive a "3" or better in each competency in order to complete the apprenticeship.

## Apprentice Competency Evaluation





Core Competencies	Required	Rating	Supervisor	Date
	for this		Sign-off	
	company			
	(Yes/No)			
User Centered Process				
Demonstrates empathy, sensitivity and				
understanding for the user to iteratively build				
products that enhance the user experience.				
This involves seeing the world through the				
eyes of others and understanding the context				
through which the user interacts with the				
product/solution.				
• Recognizes basic ways that small-				
and large-scale solutions improve				
user experiences.				
<ul> <li>Independently recognizes and</li> </ul>				
applies basic ways to empathize with				
the user (ex. Imagines the user's day-				
to-day and their interaction with the				
Consistently independently and				
<ul> <li>consistently, independently, and proactively applies empathy for users</li> </ul>				
to daily tasks and projects				
Uses empathy with the user				
• Oses emparing with the user experience to influence the project at				
hand				
<ul> <li>Balances user-centered thinking with</li> </ul>				
project constraints such as time or				
resources				
<ul> <li>Advocates for the user at various</li> </ul>				
stages in the project.				
<ul> <li>Applies holistic understanding of</li> </ul>				
problem/job to design explorations.				
Identifying Problems				
Reviews diverse and sometimes conflicting				
user experiences/data to develop and evaluate				
options and implement solutions that support				
business goals.				
Shadows basic user research				
activities.				
• Notices discrepancies between user				
needs, pain points, and experiences.				
• Identifies sources of information that				
could suit a potential task.				





Collaborates in user research		
activities.		
• Collects available information about a		
problem/job to be done.		
<ul> <li>Ties user needs and pain points to</li> </ul>		
questions and suggestions in design		
critiques.		
• Takes findings from existing research		
to guide new research.		
<ul> <li>Prioritizes actions based on user</li> </ul>		
needs, pain points and experiences.		
<ul> <li>References user needs/pain points in</li> </ul>		
discussions about their design		
rationale.		
<ul> <li>Creates and pulls their own data</li> </ul>		
reports using analytics tools.		
Designing Solutions		
Collaborates with stakeholders to decide		
which solutions would be most appropriate for		
the defined problem with consideration for the		
constraints of the project.		
Develops basic understanding of		
company tools for developing design		
solutions, such as for creating		
sitemaps and wireframes.		
• Understands scope of potential		
solutions at a nightlevel when defined		
by other team members.		
• Performs basic synthesis of data from		
research to notice patterns.		
• Asks questions about user behavior		
and begins to make connections		
between observed user behaviors		
and problems that should be solved.		
• Creates a basic site map of an existing		
footprint of a site.		
• Creates and updates a sitemap with		
proposed updates and reviews with a		
colleague to ensure it meets client		
expectations and project scope.		
Contributes to scoping discussions		
leveraging a deep understanding of		
customer needs/pain points and		
behaviors gathered from qualitative		
and quantitative data.		





	 	 1
• With support of supervisor, creates		
low-fidelity wire frames.		
Solution Planning		
Collaborates with stakeholders to identify the		
right problem to solve for users and the		
business, leveraging the findings from data		
analysis and synthesis.		
<ul> <li>Reads through scoping documents</li> </ul>		
from product management and asks		
questions for clarity on the problem		
to be solved.		
<ul> <li>Identifies sources of information to</li> </ul>		
move projects or tasks forward.		
Chooses the right sources of		
information to move a project or task		
forward.		
Regularly collaborates with		
developers and product management		
to understand and identify problems		
to solve/jobs to be done.		
• Leverages a deep understanding of		
the customer to contribute		
meaningfully to problem definition		
discussions.		
Cross Functional Collaboration		
Leverages high-level knowledge of design		
systems, HIML/CSS, and relationships with development (engineering to ensure designs		
aro foasiblo		
ure jeusible.		
Note: Understanding of design systems and		
component libraries may not be required for		
all entry-level UX/UI roles, depending on		
company size.		
• Ask questions of the supervisor about		
when it is necessary to interact with		
the engineer and/or project manager		
to determine viability of solutions.		
• Listens when in meetings with		
supervisor and other team members		
to learn about determining viability		
of solutions.		
• Optional, pending company UX/UI		
<i>structure:</i> Understands the value of a		
design system and component		
library.		





٠	Optional, pending company		
	<i>structure:</i> Demonstrates		
	understanding of the company's		
	existing components/design systems		
	and design guidelines.		
٠	Recognizes when their own designs		
	stray from currently available/		
	supported patterns and consults		
	engineering and/or project		
	management team to ensure the		
	solution is viable.		

In addition to completing all core competencies, an apprentice based on the employer's assigned role will complete the following additional competencies.

Strongly Suggested Competencies	Required	Rating	Supervisor	Date
UX/UI	for this		Sign-off	
	company (Yes/No)			
UX/UI Tools				
Uses a digital design tool like Sketch, InVision,				
Figma, or Axure for designing and prototyping.				
Demonstrates a high level of skill in at least				
one of these tools.				
<ul> <li>Demonstrates proficiency in digital</li> </ul>				
UX/UI design tools.				
• Applies best practices for each tool.				
<ul> <li>Creates "pixel perfect" designs.</li> </ul>				
Research Activities				
Participates in research planning, execution,				
data collection, distilling data, analysis, and				
summarizing findings. Reports out findings to				
stakeholders and helps guide the team to the				
best solution.				
<ul> <li>Works with team to develop</li> </ul>				
hypotheses.				
<ul> <li>With support of supervisor, writes</li> </ul>				
basic survey questions.				
<ul> <li>With the support of supervisor,</li> </ul>				
completes basic benchmarking and				
research on existing mental models				
and the competitive set.				
<ul> <li>Creates personas, journey maps, and</li> </ul>				
other artifacts.				
<ul> <li>Presents artifacts to communicate</li> </ul>				
findings to the rest of the team.				
<ul> <li>Understands the purpose of different</li> </ul>				
user research activities (ex. survey				





creation, market research, user		
Design Iteration and Handoff		
Incornerates feedback discovered in user		
tasting to make shanges and produce high		
field to make changes and produce high-		
flaelity designs that communicate the final		
product design to stakenoiders.		
<b>Note:</b> This competency should be required for		
UX/UI designers at small businesses. At a large		
business, an apprentice should know these		
skills but may not complete all elements of this		
competency on a regular basis.		
<ul> <li>Demonstrates a willingness to rethink</li> </ul>		
designs based on feedback.		
<ul> <li>Integrates client feedback into</li> </ul>		
designs.		
• Consistently prioritize client feedback		
in designs while maintaining high		
quality designs.		
• Uses information from user testing or		
client feedback to iterate on designs		
within project scope and time		
constraints.		
<ul> <li>Incorporates feedback from user</li> </ul>		
testing and stakeholders to produce		
nixel-perfect designs.		
<ul> <li>Covers all of the happy path/red</li> </ul>		
route and some common errors in		
designs		
<ul> <li>Provides annotations for</li> </ul>		
functionality specs for spacing and		
components to be used and any		
accessibility considerations		
accessibility considerations.		

Strongly Suggested Competencies UX Focused Designer Role	Required for this company (Yes/No)	Rating	Supervisor Sign-off	Date
User Interaction for Research				
Gathers input from users with basic feedback				
and observation activities. This also involves				
building rapport with the user in order to				
make them feel comfortable with giving				
feedback.				
<ul> <li>Understands the basic ethics of</li> </ul>				
interacting with the user.				
<ul> <li>Observes end users where possible.</li> </ul>				





<ul> <li>Takes notes in user interview</li> </ul>		
sessions and recognizes basic		
patterns in participants.		
<ul> <li>Recognizes and non-judgmentally</li> </ul>		
describes patterns and behaviors in		
describes patterns and benaviors in		
participants.		
<ul> <li>Helps summarize and document</li> </ul>		
findings and helps create basic		
artifacts.		
<ul> <li>Understands the basic purpose</li> </ul>		
behind using qualitative vs.		
quantitative research methods.		
<ul> <li>Conducts a basic user feedback</li> </ul>		
session.		
<ul> <li>Conducts user interview sessions</li> </ul>		
according to best practices and beins		
according to best practices, and herps		
others take notes and helicity		
patterns, motivations, and benaviors		
in participants.		
• Summarizes and documents findings		
and owns creation of artifacts.		
<ul> <li>Comfortable building rapport with</li> </ul>		
the user and establishing a		
conversational flow to the data		
gathering process in interviews.		
User Testing		
Conducts evaluative research and tests desian		
solutions for usability		
Helps establish a testing plan prior to		
testing		
<ul> <li>Takes notes and recognizes basic</li> </ul>		
<ul> <li>Takes notes and hebouiers in</li> </ul>		
participants.		
• Demonstrates basic understanding of		
user analytics (ex. time on page, cart		
to completion, etc.).		
<ul> <li>Helps establish a testing plan prior to</li> </ul>		
testing.		
• Take notes in moderated user testing.		
<ul> <li>Recognizes more nuanced patterns</li> </ul>		
and behaviors in participants or user		
data (ex. data from A/B testing,		
surveys, or analytics).		
• Establishes a testing plan and vets		
with stakeholders prior to testing		
<ul> <li>Executes moderated and</li> </ul>		
unmoderated user testing according		
to host prostigos		
to best practices.		





• Summarizes and presents findings		
from research to stakeholders along		
with recommendations for next steps.		

Strongly Suggested Competencies	Required for this	Rating	Supervisor Sign-off	Date
of Focused Designer Role	company (Yes/No)		Jigii-011	
<b>Elements and Principles of Digital Design</b> Demonstrates knowledge of commonly				
accepted visual design principles, including				
information hierarchy, and responsive and				
mobile design. Applies those principles to				
designs within constraints of the brand				
<ul> <li>Demonstrates knowledge of best practices for common design</li> </ul>				
problems.				
Applies best practices for common				
design problems to produce solutions				
not novel.				
• Solves specific function-level				
problems (e.g., "add to shopping cart").				
• Applies more nuanced best practices				
for common design problems to				
directionally solid though not novel.				
<ul> <li>Solves more complex specific</li> </ul>				
function-level problems (e.g., "add to				
shopping cart").				
<ul> <li>Designs solutions that work across a variety of platforms (ex. mobile and</li> </ul>				
desktop).				

Optional Competencies	Required for this company (Yes/No)	Rating	Supervisor Sign-off	Date
Design Communication				
<i>Effectively presents visual and functional ideas</i>				
to internal or external stakeholders and				
provides rationale on the why behind the				
digital design. Conveys UX/UI concepts in a				
simple manner in a way the business can				
understand and effectively communicates the				
benefits to the business.				





<ul> <li>Observes different ways of</li> </ul>		
communicating problems and		
solutions to businesses, including		
how to translate UX/UI concepts into		
a business context.		
<ul> <li>Knows common UX/UI solutions to</li> </ul>		
common business problems and		
rationale for UX/UI solutions.		
<ul> <li>Presents UX/UI solutions to</li> </ul>		
businesses that respond to common		
business challenges and effectively		
conveys rationale for the solution to		
the business.		
• Effectively responds to questions		
from the business during		
presentations.		
Demonstrates ability to explain		
common UX/UI principles in easy to		
understand language.		
User Interface Engineering		
Leverages user experience and responsive		
desian. web mobility. communication tools		
(such as AIAX), web services (includina REST).		
a web framework. version control. and a		
development life cycle methodology (such as		
Aaile).		
<ul> <li>Demonstrates an understanding of a</li> </ul>		
software development life cycle		
(SDLC) using a process such as Agile.		
<ul> <li>Uses web services such as REST and</li> </ul>		
web frameworks (e.g. Twitter		
Bootstran, Angular, React is, and		
Spring MVC) to create prototypes for		
<ul> <li>Builds responsive solutions to user</li> </ul>		
pain points.		
Information Architecture		
Discipline that focuses on the organization of		
information within digital products. This is the		
supportive backbone to the desian system and		
wireframe, the structure the UX/UI Designer		
pulls from at a company to make sure the site		
functions the same from page to page. such as		
with the display of dates across the site.		
• Demonstrates a basic interest and		
understanding of gestalt design		
principles and hierarchy: meaning		
the organization of objects by		
similarity, continuity, proximity.		
symmetry, and closure		





<ul> <li>Has a basic understanding of the company's established patterns for organizing information. (This connects similarity to having a basic understanding of a company's design system).</li> <li>Organizes basic elements in a design together in an intuitive way.</li> <li>With the support of a supervisor, can make recommendations on wireframes or site maps that display a solid knowledge of the company's established patterns for organizing information.</li> </ul>		
Data and Analytics		
Develops and implements a set of techniques		
or analytics applications to transform		
raw/gathered data into meaningful		
information.		
<i>Note:</i> This is an optional competency to select		
if the UX/UI Designer role will focus most on		
the research lane and/or if the apprentice is		
interested in growing in this area.		
Knows basic techniques used in		
analyzing data.		
• Helps take the data from its source		
and import it to the proper analytics		
platform.		
• Executes basic data cleaning/hygiene		
techniques in order to make the data		
usable.		
Performs industry standard analysis		
on data and is comfortable with many		
different approaches to analysing the		
<ul> <li>Demonstrates strong ability to find trends not form and for differences in</li> </ul>		
data		
uata.		
<ul> <li>Makes clear and concise intermetations and (or information)</li> </ul>		
interpretations and/or interences		
and can connect that to the scope of		
the project or solution.		

## **Apprenticeship Competencies – Career Readiness**

In addition to mastering all the essential technical competencies outlined in the work processes, an apprentice must consistently demonstrate growth and proficiency in the following career readiness competencies to complete the apprenticeship.





Apprentices will be evaluated in these competencies semi-annually, and the supervisor will initial and date the accomplishment of the career ready competency at each review.

Ratings are:

- (4) Exceeds Expectations (Advanced)
- (3) Meets Expectations (Proficient)
- (2) Meets Some Expectations (Emerging)
- (1) Does Not Yet Meet Expectations (Novice)
- (0) Not applicable (No Skill)

4. Exceeds Expectations (Advanced): Consistently exceeds performance standard established for the time in position. Achieves results above and beyond what is required. Extends themselves in their roles to exceed personally and as a team to achieve exceptional results.

3. Meets Expectations (Proficient): Employee meets all expectations in a fully satisfactory way and is proficient in the outlined competencies.

2. Meets Some Expectations (Emerging): Meets the performance standards established for time in position. Handles routine tasks & some unexpected situations with the usual amount of supervision. Can continue to develop with coaching, training or more experience to gain proficiency.

1. Does Not Yet Meet Expectations (Novice): Occasionally meets some of the objectives related to this goal but does not meet others in a fully satisfactory way. This performance level generally indicates the need for additional coaching, training or other plan for performance improvements.

0.Not Applicable (No Skill): Training in this competency has not yet begun.

Apprentices need to receive a "3" or better in each competency in order to complete the apprenticeship.

ENTREPRENEURIAL SKILLS	Required for this employer (yes/no)	Rating	Supervisor Sign-off	Date
<ul> <li>Critical Thinking/Problem Solving</li> <li>Becognize that problems can be identified and</li> </ul>				
possible solutions can be generated				
<ul> <li>Define the problem using a variety of strategies</li> </ul>				
Make connections between information				
gathered and personal experiences to apply and/or test solutions				
Creativity / Innovation				
• Demonstrate curiosity, imagination and				
eagerness to learn more				
<ul> <li>Build on personal experience to specify a</li> </ul>				
challenging problem to investigate				
• Engage in novel approaches, moves, directions,				
ideas and/or perspectives				





Inquiry		
<ul> <li>Recognize and describe cause-and-effect</li> </ul>		
relationships and patterns in everyday		
experiences		
<ul> <li>Investigate to form hypotheses, make</li> </ul>		
observations and draw conclusions		
<ul> <li>Test hypotheses/prototype with planned</li> </ul>		
process for getting feedback		
Risk Taking		
• Demonstrate a willingness to try new things		
• Demonstrate flexibility, imagination and		
inventiveness in taking on tasks and activities		
• Innovate from failure, connect learning across		
domains and recognize new opportunities		

PERSONAL SKILLS	Required for this employer (yes/no)	Rating	Supervisor Sign-off	Date
Self-Management / Self Awareness				
• Accurately recognize one's own emotions,				
thoughts and values and how they influence				
Appropriately express one's even emotions				
• Appropriately express one's own emotions, thoughts and values and identify how they				
influence behavior				
<ul> <li>Assess personal strengths and limitations.</li> </ul>				
with a well-grounded sense of confidence,				
optimism and a 'growth mindset'				
Self-Direction				
<ul> <li>Recognize personal characteristics,</li> </ul>				
preferences, thoughts and strengths				
<ul> <li>Pursue opportunities to engage and learn</li> </ul>				
interests				
• Apply knowledge to set goals, make informed				
decisions and transfer to new contexts				
Adaptability / Flexibility				
<ul> <li>Recognize emotional response to ideas that</li> </ul>				
differ from one's own				
<ul> <li>Regulate reactions to different perspectives</li> <li>Look for and value in different perspectives</li> </ul>				
• Look for and value in unrefent perspectives				
Perseverance / Resilience				
Resist distractions, maintain attention, and				
continue the task at hand through frustration				
or challenges				
• Set goals and develop strategies to remain				
focused on learning goals				
• Focus on learning goals by employing				
motivation and familiar strategies for				





engagement and evaluate progress, making		
necessary changes to stay the course		

CIVIC/INTERPERSONAL SKILLS	Required for this	Rating	Supervisor Sign-off	Date
	employer (yes/no)			
Collaboration / Teamwork				
• Recognize how personal actions have had a				
positive or negative impact on others with				
feedback as needed				
• Recognize how members of a community rely				
on each other, considering personal				
contributions as applicable				
• Follow a process identified by others to help				
generate ideas, negotiate roles and				
responsibilities, and respects consensus in				
decision making				
Communication				
<ul> <li>Articulate personal strengths and challenges</li> </ul>				
using different forms of communication to				
express oneself				
• Consider purpose, formality of context and				
audience, and distinct cultural norms when				
planning content, mode, delivery and				
expression				
<ul> <li>Establish goals for communication and plan</li> </ul>				
out steps accordingly				
Global / Cultural Awareness				
<ul> <li>Compare attitudes and beliefs as an individual</li> </ul>				
to others				
<ul> <li>Identify and explain multiple perspectives</li> </ul>				
(cultural, global) when exploring events, ideas				
and issues				
<ul> <li>Plan and evaluate complex solutions to global</li> </ul>				
challenges that are appropriate to their				
contexts using multiple disciplinary				
perspectives (such as cultural, historical and				
scientific)				
Ethics				
Takes great care with organizational data				
• Does not disclose any kind of personal or				
sensitive organizational information;				
understands that all data is confidential				
• Demonstrates honesty and integrity in all				
interactions. If an error is made, prioritizes				
minimal impact to the organization over their				
own reputation				

PROFESSIONAL SKILLS	Required	Rating	Supervisor	Date





	for this employer (yes/no)	Sign-off	
Task/Time Management			
<ul> <li>Articulate task requirements and identify deadlines</li> <li>Develop and utilize basic task and time-management strategies effectively</li> <li>Demonstrate task-management attributes associated with producing high-quality products including the abilities to: 1) Work positively and ethically 2) Manage time and projects affectively 2) Multi task 4) Clearly</li> </ul>			
communicate with others			
Self-Advocacv			
<ul> <li>Appropriately express a range of emotions to communicate personal ideas/needs</li> <li>Ask questions to develop further personal understanding</li> <li>Demonstrate confidence in sharing ideas/feelings</li> </ul>			
Work Ethic			
<ul> <li>Complete tasks with ongoing support</li> <li>Seek clarity on tasks and needs occasional support</li> <li>Demonstrate skill in assigned tasks and completes with little or no support</li> </ul>			

ACADEMIC SKILLS	Required for this employer (yes/no)	Rating	Supervisor Sign-off	Date
Core Academic Foundation				
Begins to use math and literacy skills to inform work				
<ul> <li>Uses math and literacy skills to perform job</li> </ul>				
tasks with frequent checks by supervisor				
• Independently and consistently use math and				
literacy skills to perform tasks (with				
occasional checks for quality)				





#### RELATED INSTRUCTION OUTLINE UI/UX Designer (EXISTING TITLE: User Experience Designer) O\*NET-SOC CODE: 15-1255.00 RAPIDS CODE: 2098CB

**Related instruction** - The curriculum is defined as a variety of classes, around which the exams and projects are based. By defining the related instruction this way, all related instruction competencies required of the students are met through a combination of coursework and/or hands-on exercises. Employers will select relevant courses for related instruction in the topics outlined below, totaling **at least 144 hours** over the duration of the apprenticeship. Selection of required topics and associated training time may vary by employer and apprentice. Employer may add additional occupation specific courses as necessary over and above those specified below.

RELATED INSTRUCTION	<b>Approximate Hours</b>
Apprenticeship Orientation	15
Workplace Essentials	45
Employer Onboarding	10
User Centered Process	25
Identifying Problems	10
Designing Solutions	15
Solution Planning	30
Cross Functional Collaboration	10
UX/UI Tools	35
Research Activities	25
Design Iteration and Handoff	10
User Interaction for Research	10
User Testing	10
Elements and Principles of Digital Design	10
Design Communication	10
User Interface Engineering	15
Information Architecture	15
Data and Analytics	45
TOTAL RI HOURS	345

#### **COURSE DESCRIPTIONS**

#### **Apprenticeship Orientation (15 hours)**

Introduction to career-readiness to prepare students for working in a professional environment: apprenticeship and workplace expectations with a focus on growth mindset.

#### Workplace Essentials (45 hours)

Skills in common computer applications, effective workplace communication, time management, and conflict resolution.

#### **Employer Onboarding (10 hours)**





Orientation training provided to new employees by the employer.

#### **User Centered Process (25 hours)**

Demonstrates empathy, sensitivity and understanding for the user to iteratively build products that enhance the user experience. This involves seeing the world through the eyes of others and understanding the context through which the user interacts with the product/solution.

#### **Identifying Problems (10 hours)**

Reviews diverse and sometimes conflicting user experiences/data to develop and evaluate options and implement solutions that support business goals.

#### **Designing Solutions (15 hours)**

Collaborates with stakeholders to decide which solutions would be most appropriate for the defined problem with consideration for the constraints of the project.

#### Solution Planning (30 hours)

Collaborates with stakeholders to identify the right problem to solve for users and the business, leveraging the findings from data analysis and synthesis.

#### **Cross Functional Collaboration (10 hours)**

Leverages high-level knowledge of design systems, HTML/CSS, and relationships with development/engineering to ensure designs are feasible.

#### UX/UI Tools (35 hours)

Uses a digital design tool like Sketch, InVision, Figma, or Axure for designing and prototyping. Demonstrates a high level of skill in at least one of these tools.

#### **Research Activities (25 hours)**

Participates in research planning, execution, data collection, distilling data, analysis, and summarizing findings. Reports out findings to stakeholders and helps guide the team to the best solution.

#### **Design Iteration and Handoff (10 hours)**

Incorporates feedback discovered in user testing to make changes and produce high-fidelity designs that communicate the final product design to stakeholders.

#### **User Interaction for Research (10 hours)**

Gathers input from users with basic feedback and observation activities. This also involves building rapport with the user in order to make them feel comfortable with giving feedback.

#### **User Testing (10 hours)**

Conducts evaluative research and tests design solutions for usability.

## Elements and Principles of Digital Design (10 hours)





Demonstrates knowledge of commonly accepted visual design principles, including color theory, typography, page layout, information hierarchy, and responsive and mobile design. Applies those principles to designs within constraints of the brand.

#### **Design Communication (10 hours)**

Effectively presents visual and functional ideas to internal or external stakeholders and provides rationale on the why behind the digital design. Conveys UX/UI concepts in a simple manner in a way the business can understand and effectively communicates the benefits to the business.

#### **User Interface Engineering (15 hours)**

Leverages user experience and responsive design, web mobility, communication tools (such as AJAX), web services (including REST), a web framework, version control, and a development life cycle methodology (such as Agile).

#### **Information Architecture (15 hours)**

Discipline that focuses on the organization of information within digital products. This is the supportive backbone to the design system and wireframe, the structure the UX/UI Designer pulls from at a company to make sure the site functions the same from page to page, such as with the display of dates across the site.

#### Data and Analytics (45 hours)

Develops and implements a set of techniques or analytics applications to transform raw/gathered data into meaningful information.





#### **SELECTION PROCEDURES**

1. Apprenticeship opportunities are shared with students enrolled in CareerWise and its affiliated programs.

2. Interested applicants complete the application process outlined in the apprenticeship recruitment notice. All suitably qualified applicants can apply to the apprenticeship opportunity.

3. All applicants that meet the minimum qualifications will be selected for an employer interview.

4. At the time of interview, applicants will be asked the same set of questions to ensure each applicant is treated equally.

5. Applicants shall be rated and ranked based on interview scores.

If required by the employer, the top candidates may be invited for a second interview.

6. The applicants will be notified of the hiring decision in a timely manner and all applicants will be treated equally with regard to notifications.

7. All records regarding the selection of apprentices will be forwarded to and maintained by the Sponsor (see Sponsor Requirements Guide).

## Direct Entry:

The Sponsor may allow direct entry applicants that are part of an employer's incumbent workforce, a qualified pre-apprenticeship program, or Job Corps graduates whose training, similarly, qualifies them for the occupation.