

Program Timeline

Your **Nanodegree program** will be an epic adventure! Each week, you'll learn and apply new skills, and share successes and challenges with your learning community. Whatever your pace or daily schedule along the way, use the timeline below as a tool to make sure you stay on track with your cohort and cross the finish line to graduation. We can't wait to see where your adventure takes you!

Tasks listed should be completed by the end of each week except for **project submissions, which are due on the **Monday of the week** that they're listed in. Links will take you to the Nanodegree program to tackle the tasks!*

Click [here](#) to download this timeline, and [here](#) to see how to mark tasks as completed.

| Week | What To Work On |
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| Week 0 | <i>*Week enrollment opens</i> <ul style="list-style-type: none"> <input type="checkbox"/> Enroll and familiarize yourself with the Nanodegree path <input type="checkbox"/> Watch the Welcome to the Nanodegree program video |
| Week 1 | <ul style="list-style-type: none"> <input type="checkbox"/> Complete the Artificial Intelligence Introduction lesson |
| Week 2 | <ul style="list-style-type: none"> <input type="checkbox"/> Complete the Machine Learning Introduction and Data Science Introduction lessons |
| <i>Model Evaluation and Validation</i> | |
| Week 3 | <ul style="list-style-type: none"> <input type="checkbox"/> Watch the Intro to Model Evaluation and Validation video and check out the Project 1: Predicting Boston Housing Prices description <input type="checkbox"/> Begin Lesson 1: Introduction and Statistics |
| Week 4 | <ul style="list-style-type: none"> <input type="checkbox"/> Complete Lesson 1: Introduction and Statistics |
| Week 5 | <ul style="list-style-type: none"> <input type="checkbox"/> Complete Lesson 2: Evaluating Model Performance |
| Week 6 | <ul style="list-style-type: none"> <input type="checkbox"/> Complete Lesson 3: Data Modeling and Validation |
| Week 7 | <ul style="list-style-type: none"> <input type="checkbox"/> Complete Lesson 4: Model Optimization |
| Week 8 | <ul style="list-style-type: none"> <input type="checkbox"/> Begin working on Project 1: Predicting Boston Housing Prices |
| Week 9 | <ul style="list-style-type: none"> <input type="checkbox"/> Work on Project 1: Predicting Boston Housing Prices |
| Week 10 | <ul style="list-style-type: none"> <input type="checkbox"/> Complete and submit Project 1: Predicting Boston Housing Prices, begin Supervised Learning, Lesson 1: Supervised Learning Intro |

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| <i>Supervised Learning</i> | |
| Week 11 | <input type="checkbox"/> Complete Lesson 1: Supervised Learning Intro and Lesson 2: Decision Trees <input type="checkbox"/> Check out the Project 2: Building a Student Intervention System description and familiarize yourself with the rubric and requirements |
| Week 12 | <input type="checkbox"/> Complete Lesson 3: Regression |
| Week 13 | <input type="checkbox"/> Complete Lesson 4: Neural Networks |
| Week 14 | <input type="checkbox"/> Complete Lesson 5: Kernel Methods |
| Week 15 | <input type="checkbox"/> Complete Lesson 6: Instance Based Learning |
| Week 16 | <input type="checkbox"/> Begin Lesson 7: Bayesian Learning |
| Week 17 | <input type="checkbox"/> Complete Lesson 7: Bayesian Learning |
| Week 18 | <input type="checkbox"/> Complete Lesson 8: Ensemble Learning |
| Week 19 | <input type="checkbox"/> Begin Project 2: Building a Student Intervention System |
| Week 20 | <input type="checkbox"/> Complete and submit Project 2: Building a Student Intervention System , begin Unsupervised Learning, Lesson 1: Clustering |
| <i>Unsupervised Learning</i> | |
| Week 21 | <input type="checkbox"/> Work on Lesson 1: Clustering <input type="checkbox"/> Check out the Project 3: Creating Customer Segments description and familiarize yourself with the rubric and requirements |
| Week 22 | <input type="checkbox"/> Complete Lesson 1: Clustering |
| Week 23 | <input type="checkbox"/> Complete Lesson 2: Feature Scaling |
| Week 24 | <input type="checkbox"/> Complete Lesson 3: Feature Selection |
| Week 25 | <input type="checkbox"/> Begin Lesson 4: Feature Transformation |
| Week 26 | <input type="checkbox"/> Work on Lesson 4: Feature Transformation |
| Week 27 | <input type="checkbox"/> Complete Lesson 4: Feature Transformation |
| Week 28 | <input type="checkbox"/> Complete Lesson 5: Semisupervised Learning |
| Week 29 | <input type="checkbox"/> Begin working on Project 3: Creating Customer Segments |
| Week 30 | <input type="checkbox"/> Complete and submit Project 3: Creating Customer Segments |
| <i>Reinforcement Learning</i> | |
| Week 31 | <input type="checkbox"/> Begin Reinforcement Learning, Complete Lesson 1: Markov Decision Processes <input type="checkbox"/> Check out the Project 4: Train a Smartcab to Drive description and familiarize yourself with the rubric and requirements |
| Week 32 | <input type="checkbox"/> Complete Lesson 2: Reinforcement Learning and Lesson 3: Game Theory |
| Week 33 | <input type="checkbox"/> Begin and complete Project 4: Train a Smartcab to Drive |

Specialization

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| NOTE | With your remaining time, you will choose your own path by selecting a specialization. We encourage you to download and fill in the below dates with the lessons and activities that correspond with your choice. For reference, the pacing to this point has been approx. 1 lesson per week. We have provided general steps to help you define and complete your project, however, you will need to consider your unique goals to submit your Project 5: Capstone Project. |
| Week 34 | <input type="checkbox"/> Define your problem |
| Week 35 | <input type="checkbox"/> Describe a solution |
| Week 36 | <input type="checkbox"/> Analyze the problem |
| Week 37 | <input type="checkbox"/> Implement a solution |
| Week 38 | <input type="checkbox"/> Refine your solution |
| Week 39 | <input type="checkbox"/> Complete and submit Project 5: Capstone Project |