

**Weekly Schedule**

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| **Table of Content**   |  |  |  | | --- | --- | --- | | **Foundational Nanodegree** | **Intermediate Nanodegree** | **Advanced Nanodegree** | | [**Digital Marketing Nanodegree**](#_byf3s3c49059) | [**Data Analyst Nanodegree**](#_3gnpv9hkj41) | [**Deep Learning Nanode**](#_qib4ehbr03g6) | | [**Front End Nanodegree**](#_kx71624oyd2j) | | [**Business Analytics Nanodegree**](#_2vyf9teyf8we) | [**IOS Developer Nanodegree**](#_58g76inqol4f) | [**Data Engineer Nanodegree**](#_4fwexy4ih20) | | [**Full Stack Nanodegree**](#_yw9scdbgtcno) | | [**Intro to Programming Nanodegree**](#_xa3wyhwaoyc3) | [**Predictive Analytics Nanodegree**](#_aetbboedmj4w) | [**Intro to Self Driving Car Nanodegree**](#_3r6lygtzs4lx) **( Check classroom schedule)** | | [**Intro to Machine Learning Nanodegree**](#_gmkng5pi7qq) | |

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| **Foundational Nanodegree** | | |

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| **Digital marketing nanodegree** | | | |
| Date | Topic | Session | Homework |
| Week 1 24/4 - 30/4 | Kick-off + Marketing Fundamentals | * Getting to know each other + Answering any questions students have about the program   Start Prepare to Marketing and explain:  1- What is the Marketing Objective  2- What is the KPI  3- What is the difference between the Marketing objective and KPI  **Careers session #1:** **Elevator pitch** “within connect session, 30 min. Delivered by SLs” | Start in Marketing Fundamentals: Part 1  Study Marketing Fundamentals Part "Marketing Objective and KPI"  Take a look on Google Slides for the Project  Start working on P1 by finishing the Marketing Objective and KPI |
| Week 2  1/5 - 7/5 | Marketing Fundamentals + Content Strategy | The session will run on 2 parts:  **Part 1**  Recap on the previous session 15min. **"Prepare slide deck for this point 4\*4"**  Prepare to Market cont'd: 60min  1- What is persona  2- What is the Empathy Map  3- What is the Value Proposition  Heads Up on P1: Marketing Fundamentals Project 15min  Break for 10 min Optional  **Part 2**  Content strategy part we will start with 40min  1- Plan your content "Hero, Hub and Hygiene"  2- Create Content "Elements of content and the diff between creation and curation"  **Careers session #2: Expectations**   * “independent session to be delivered within week 2 by Careers team for 30 min” * Delivery date: Thursday, May 7th, 9 PM KSA | **Submit P1: Prepare to Market project!**  Ask permission to Udacity Facebook Business  Start studying Content Strategy  **Write a blog post of 150 to 200 words and send it to SL "H**W" **with any topic you want** |
| Week 3  8/5 - 14/5 | Content Strategy + Social Media  Marketing | Content Strategy “cont'd” 30min  1- Landing Pages  2- UTM codes  Social Media Marketing All Parts 60min  1- Social Media Channels  2- Social Media Content "Posts"  3- Measure and Optimize social media  Heads Up on P2: Market your Content. 10min | Going deep in the Social Media Channels related to Arab World  Ask permission to Udacity Facebook Business  **Submit P2: Market your content** |
| Week 4  15/5 - 21/5 | Social Media Advertising | Recap:  Marketing Fundamentals + P1 20 min  Content Strategy + Social Media Marketing + P2 20 min  Social Media Advertising 60min  1- Advertising on social media platforms  2- Social Media Advertising "Facebook"  Heads Up on P3: Social Media Advertising “Facebook-P1” 40min  QA 30min | Recap the old 2 parts  Ask for Udacity MOZ Account form in classroom  Go through Facebook Campaign Creation and create the Facebook campaign in the project  **Submit P3: Facebook part 1** |
| Week 5  22/5 - 28/5 | Eid Vacation | | |
| Week 6  29/5 - 4/6 | Social Media Advertising + SEO | Recap on P3 30min  Heads Up on P4 "Facebook part2" 30min  SEO 120min  1- How Search Work  2- Keywords and website structure  3- META tags  4- Link Building  5- What is the difference between "On-site and Off-site"  6- Heads up on SEO tools we will use "MOZ, SEMrush, Google Speed test"  Heads up on SEO Audit project. 30min | **Submit P4: Facebook part 2**  Start in the SEO content and How SE works  Ask for Udacity Google Adwords account "Submit Gmail accounts"  Start on SEO project |
| Week 7  5/6 - 11/6 | **Check Point** | * **Check Point and recap for all prev. parts and helping in Project Submission**   **Optional Session for those who submitted all the projects**  **Mandatory for those who are behind or late**   * **Careers session #3: Digital Profiles**   + “independent session to be delivered within week 8 by SLs for 1.5 hrs”   + Delivery date: Thursday, June 11th, 7 PM KSA | **Submit P5: SEO Audit Project**  **Recap on all parts and submit all behind projects** |
| Week 8  12/6 - 18/6 | Search Engine Marketing | * We will talk on All types of Google ads and the difference between them   SEM Part 60min  1- What is SEM  2- How does Google Advertising work  3- Keywords and Targeting  4- Creation of campaigns and bidding styles   * Heads up on Project Google Ads part 1 20min * Careers session #4: Career Portal   + “within connect session to be delivered by SLs team for 30 min.” | **Submit P6: Google Adwords Part 1**  Study the difference between Text Ads and Visual Ads |
| Week 9  19/6 - 25/6 | SEM + Display Advertising | * Recap Google Project Part 1 20min * Heads Up on Google Part 2 Project 30min * Display Advertising 60 min   1- Video Ads  2- Types of Video Ads  3- How to Evaluate a Display Advertising Project   * Heads Up on Display Advertising Project 40min * **Careers session #5: Careers Webinar**   + “independent session within week 10, to be delivered by SLs for 1 hr”   + Delivery date: TBD “according to employer’s availability” | **Submit P7: Google Adwords Part 2**  Start working on Evaluate a Display Advertising Project |
| Week 10  26/6 - 2/7 | Email Marketing | Recap on Display Advertising Project 30min  Email Marketing: 60min  1- What is Email Marketing  2- Create an Effective Email Plan  3- Write an effective email  4- Heads up on the MailChimp tool and how to use it!  Heads Up on Email Marketing Project 30min | **Submit P8: Evaluate a Display Campaign project**  Create an account on MailChimp  Start working on Email Project |
| Week 11  3/7 - 9/7 | **Google Analytics + Recap "CheckPoint Session"** | Students who are on track can attend the first hour only and leave if they want!  Google Analytics. 50 min  1- What is Google Analytics  2- Create a GA account  3- How to Evaluate Acquisition and Conversion  Heads up on Create your portfolio project 15min  Recap  1- Google Advertising Part 1& 2. 30min  2- Display Advertising 30min  3- Email Marketing 30 min | Understand Google Analytics  **Submit P9: Email Marketing if not submitted in class**  **Submit all late projects**  **Start your Portfolio Project** |
| Week 12  10/7 - 16/7 | Conclusion | Conclusion 20min  1- How to create your Marketing Plan and Conclusion  Finish Create your Portfolio Project "QA". 40min  Recap on all projects and answer questions 60min | **Submit P10: Create Your portfolio project** |
| Week 13  17/7 - 23/7 | Support Session | Support Session Finish & GRADUATE 🎓 | |

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| **Business Analytics Nanodegree** | | |
| Date | Before session | Session |
| Week 1 24/4 - 30/4 | Pass P1: Working with Data project | * Welcome to the Program * **Finish P1**: Working with Data project * **Careers session #1: Elevator pitch** “within connect session, 30 min. Delivered by SLs” |
| Week 2  1/5 - 7/5 | Start watching videos from Introduction to Data  Complete sections:   * Descriptive Statistics I * Descriptive Statistics II | * Introduction to Data Part 1 (Descriptive Statistics) * **Careers session #2: Expectations**   + “independent session to be delivered within week 2 by Careers team for 30 min”   + Delivery date: Thursday, May 7th, 9 PM KSA |
| Week 3  8/5 - 14/5 | Continue watching videos from Introduction to Data  Complete sections:   * Spreadsheets 1: Getting Started * Spreadsheets 2: Manipulate Data | Introduction to Data Part 2 (Spreadsheets) |
| Week 4  15/5 - 21/5 | Continue watching videos from Introduction to Data  Complete sections:   * Spreadsheets 3: Analyze Data * Spreadsheets 4: Visualize Data | * Introduction to Data Part 3 (Spreadsheets) * **Careers session #3: Digital Profiles**   + “independent session to be delivered within week 8 by SLs for 1.5 hrs”   + Delivery date: Thursday, May 21th, 7 PM KSA |
| Week 5  22/5 - 28/5 | Eid Vacation | |
| Week 6  29/5 - 4/6 | Continue watching videos from Introduction to Data  Complete sections:   * Business metrics * Excel modeling | Business metrics |
| Week 7  5/6 - 11/6 | Pass **P2: Analyze NYSE Data** | Discuss and finish **P2: Analyze NYSE Data** |
| Week 8  12/6 - 18/6 | Start watching videos from SQL for Data Analysis  Complete sections:   * Basic SQL * SQL Joins | * SQL for Data Analysis Part 1 (Basic SQL & SQL Joints) * **Careers session #4: Career Portal**   + “within connect session to be delivered by SLs team for 30 min.” |
| Week 9  19/6 - 25/6 | Continue watching videos from SQL for Data Analysis  Complete sections:   * SQL Aggregations * SQL Subqueries & Temporary Tables | SQL for Data Analysis Part 2 (SQL Aggregations & SQL Subqueries & Temporary Tables) |
| Week 10  26/6 - 2/7 | Continue watching videos from SQL for Data Analysis  Complete sections:   * SQL Data Cleaning   Work on **P3: Query a Digital Music Store Database** | * SQL for Data Analysis Part 3 (SQL Data Cleaning) + Discussing P3: **Query a Digital Music Store Database** * **Careers session #5: Careers Webinar**   + “independent session within week 10, to be delivered by SLs for 1 hr”   + Delivery date: TBD “according to employer’s availability” |
| Week 11  3/7 - 9/7 | Pass **P3: Query a Digital Music Store Database** | Discuss and finish **P3: Query a Digital Music Store Database** |
| Week 12  10/7 - 16/7 | Start watching videos from Data Visualization  Complete sections:   * Introduction to Data Visualization * Design | Data Visualization Part 1 (Introduction to Data Visualization & Design) |
| Week 13  17/7 - 23/7 | Continue watching videos from Data Visualization  Complete sections:   * Data Visualizations in Tableau * Making Dashboards & Stories in Tableau | Data Visualization Part 2 (Data Visualizations in Tableau & Making Dashboards & Stories in Tableau) |
| Week 14  24/7 - 30/7 | Pass **P4: Data Visualization Project** | Finish & GRADUATE |

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| **Intro to Programming** [**Nanodegree**](#_byf3s3c49059) | | |
| date | Session | Homework |
| Week 1 24/4 - 30/4 | **Intro to HTML** | * Complete Lessons in **Intro to HTML**:   + The Web and HTML   + Basic HTML * **Careers session #1:** **Elevator pitch** “within connect session, 30 min. Delivered by SLs” |
| Week 2  1/5 - 7/5 | **Intro to CSS** | Complete Lessons in **Intro to CSS**:   * Styling with CSS   **Careers session #2: Expectations**   * “independent session to be delivered within week 2 by Careers team for 30 min” * Delivery date: Thursday, May 7th, 9 PM KSA |
| Week 3  8/5 - 14/5 | **Intro to Python, Part 1** | Submit P1: **Animal Trading Cards**  Complete Lessons in **Intro to Python, Part 1**   * Turtles and Code |
| Week 4  15/5 - 21/5 | **Intro to Python, Part 1** | * Complete Lessons in **Intro to Python, Part 1:**   + Function, Part One   + Function, Part Two * **Careers session #3: Digital Profiles**   + “independent session to be delivered within week 8 by SLs for 1.5 hrs”   + Delivery date: Thursday, May 21th, 7 PM KSA |
| Week 5  22/5 - 28/5 | Eid Vacation | |
| Week 6  29/5 - 4/6 | **Toolkit: Shell Workshop**  **Intro to Python, Part 2** | Complete Lessons in **Shell Workshop:**   * Shell Workshop   Complete Lessons in **Intro to Python, Part 2:**   * Python at Home |
| Week 7  5/6 - 11/6 | **Intro to Python, Part 2** | * Complete Lessons in **Intro to Python, Part 2:**   + Strings & Lists * **Careers session #4: Career Portal**   + “within connect session to be delivered by SLs team for 30 min.” |
| Week 8  12/6 - 18/6 | **Intro to Python, Part 2** | Complete Lessons in **Intro to Python, Part 2:**   * Style and structure * Submit P2: **adventure game** |
| Week 9  19/6 - 25/6 | **Toolkit: Git and GitHub** | * Complete Lessons in **Git and GitHub:**   + What is Version control   + Create A Git Repo   + Review a Repo’s History   + Add commit to A Repo   + Tagging, Branching, and Merging   + Working with Remotes   + Working on another Developer’s Repository   + Staying in Sync With A Remote Repository * **Careers session #5: Careers Webinar**   + “independent session within week 10, to be delivered by SLs for 1 hr”   + Delivery date: TBD “according to employer’s availability” |
| Week 10  26/6 - 2/7 | **Intro to Python, Part 3** | Complete Lessons in **Intro to Python, Part 3:**   * Working with Files * Web APIs |
| Week 11  3/7 - 9/7 | **Intro to Python, Part 3** | Complete Lessons in **Intro to Python, Part 3:**   * Object and Classes |
| Week 12  10/7 - 16/7 | **Intro to JavaScript** | Complete Lessons in **Intro to JavaScript:**   * What is JavaScript * Data Types & Variable * Condition * Loops |
| Week 13  17/7 - 23/7 | **Intro to JavaScript** | Complete Lessons in **Intro to JavaScript:**   * Functions * Arrays * Objects |
| Week 14  24/7 - 30/7 | **Intro to JavaScript** | * The Document Object Model * Creating Content with JavaScript |
| Week 15  31/7 - 6/8 | Eid Vacation | |
| Week 16  7/8 - 13/8 | **Intro to JavaScript** | Complete Lessons in **Intro to JavaScript:**   * Working with Browser Events   Submit P3: **Pixel Art Maker** |

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| **intermediate Nanodegree** | | |

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| **Data Analyst Nanodegree** | | |
| Date | Before session | Session |
| Week 1 24/4 - 30/4 | Start watching videos from Welcome to the Nanodegree  Complete sections:   * Welcome to the Nanodegree * The Life of a Data Analyst   Start P0: Explore Explore Weather Trends | * Welcome to the Program * Finish **P1:** **Explore Weather Trends** * **Careers session #1:** **Elevator pitch** “within connect session, 30 min. Delivered by SLs” |
| Week 2  1/5 - 7/5 | Start watching videos from Introduction to Data Analysis  Complete sections:   * Anaconda * Jupyter notebooks | Python refresher activity  **Careers session #2: Expectations**   * “independent session to be delivered within week 2 by Careers team for 30 min” * Delivery date: Thursday, May 7th, 9 PM KSA |
| Week 3  8/5 - 14/5 | Continue watching videos from Introduction to Python  Complete sections:   * The data analysis process * Case studies * Programming workflow for data analysis | Activity Case study |
| Week 4  15/5 - 21/5 | Work on P2 Investigate a Dataset | * Finish **P2:** **Investigate a Dataset** * **Careers session #3: Digital Profiles**   + “independent session to be delivered within week 8 by SLs for 1.5 hrs”   + Delivery date: Thursday, May 21th, 7 PM KSA |
| Week 5  22/5 - 28/5 | Eid Vacation | |
| Week 6  29/5 - 4/6 | Start watching videos from Practical Statistics  Complete sections:   * Descriptive Statistics I * Descriptive Statistics II * Probability * Binomial Distribution | Case study |
| Week 7  5/6 - 11/6 | Continue watching videos from Practical Statistics  Complete sections:   * Conditional probability * Bayes rule * Python practice * Normal distribution | Case study |
| Week 8  12/6 - 18/6 | Continue watching videos from Practical Statistics  Complete sections:   * Central limit theorem * Confidence intervals * Hypothesis testing | Case study |
| Week 9  19/6 - 25/6 | Continue watching videos from Practical Statistics  Complete sections:   * Multiple linear regression * Logistic regression * Work on the project | * Finish **P3:** **Analyze A/B test results** * **Careers session #4: Career Portal**   + “within connect session to be delivered by SLs team for 30 min.” |
| Week 10  26/6 - 2/7 | Start watching videos from Data Wrangling  Complete sections:   * Introduction to Data Wrangling * Gathering Data   Start P4: Wrangle and Analyze Data | * Data wrangling activity * **Careers session #5: Careers Webinar**   + “independent session within week 10, to be delivered by SLs for 1 hr”   + Delivery date: TBD “according to employer’s availability” |
| Week 11  3/7 - 9/7 | Continue watching videos from Data Wrangling   * Assessing Data * Cleaning Data   Continue P4: Wrangle and Analyze Data | Data wrangling activity |
| Week 12  10/7 - 16/7 | Continue P4: Wrangle and Analyze Data | Data wrangling activity |
| Week 13  17/7 - 23/7 | Finish P4: Wrangle and Analyze Data | Finish **P4:** **Wrangle and analyze data** |
| Week 14  24/7 - 30/7 | Start watching videos from Data Visualization  Complete sections:   * Data visualization in data analysis * Design of visualizations * Univariate exploration of data * Bivariate exploration of data | Visualizations activity |
| Week 15  31/7 - 6/8 | Eid Vacation | |
| Week 16  7/8 - 13/8 | Continue watching videos from Data Visualization   * Multivariate exploration of data * Explanatory visualizations * Visualization case study | Case study |
| Week 17  14/8 - 20/8 | Complete the project | Finish **P5** **Data Visualization with Python** |

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| **Front End Nanodegree** | | |
| date | Session | Homework |
| Week 1 24/4 - 30/4 | Complete Lessons in **CSS, Website Layout, Website Components**   * HTML * CSS   Careers session #1: Elevator pitch “within connect session, 30 min. Delivered by SLs” | **CSS, Website Layout, Website Components** |
| Week 2  1/5 - 7/5 | Complete Lessons in **CSS, Website Layout, Website Components**   * Flex box * CSS Grid   **Careers session #2: Expectations**   * “independent session to be delivered within week 2 by Careers team for 30 min” * Delivery date: Thursday, May 7th, 9 PM KSA | **CSS, Website Layout, Website Components** |
| Week 3  8/5 - 14/5 | Complete Lessons in **CSS, Website Layout, Website Components**   * Responsive Sites   Submit P1: **Personal Blog Website** | **JavaScript & The DOM** |
| Week 4  15/5 - 21/5 | * Complete Lessons in **JavaScript & The DOM**   + Syntax * **Careers session #3: Digital Profiles**   + “independent session to be delivered within week 8 by SLs for 1.5 hrs”   + Delivery date: Thursday, May 21st, 7 PM KSA | **JavaScript & The DOM** |
| Week 5  22/5 - 28/5 | Eid Vacation | |
| Week 6  29/5 - 4/6 | Complete Lessons in **JavaScript & The DOM**   * The Document Object Model * Creating Content with JavaScript | **JavaScript & The DOM** |
| Week 7  5/6 - 11/6 | * Complete Lessons in **JavaScript & The DOM**   + Working with Browser Events   + Performance * Submit P2: **Landing Page** * **Careers session #4: Career Portal**   + “within connect session to be delivered by SLs team for 30 min.” | **JavaScript & The DOM** |
| Week 8  12/6 - 18/6 | Complete Lessons in **Web API's and Asynchronous Applications**   * Course Introduction * Node & Express Environment * HTTP Requests & Routes | **Web API's and Asynchronous Applications** |
| Week 9  19/6 - 25/6 | * Complete Lessons in **Web API's and Asynchronous Applications**   + HTTP Requests & Routes * **Careers session #5: Careers Webinar**   + “independent session within week 10, to be delivered by SLs for 1 hr”   + Delivery date: TBD “according to employer’s availability” | **Web API's and Asynchronous Applications** |
| Week 10  26/6 - 2/7 | Complete Lessons in **Web API's and Asynchronous Applications**   * Asynchronous JavaScript   Submit P3: **Weather Journal App** | **Web API's and Asynchronous Applications** |
| Week 11  3/7 - 9/7 | Complete Lessons in **Build Tools and Single Page Web Apps**   * Intro to Build Tools * Basics of Webpack | **Build Tools and Single Page Web Apps** |
| Week 12  10/7 - 16/7 | Complete Lessons in **Build Tools and Single Page Web Apps**   * Sass and Webpack * Final Touches | **Build Tools and Single Page Web Apps** |
| Week 13  17/7 - 23/7 | Submit P4: **Evaluate a News Article with Natural Language Processing**  Complete Lessons in **Capstone**   * FEND Capstone - Travel App   Start P5: **Travel App** | **Capstone** |
| Week 14  24/7 - 30/7 | Submit P5: **Travel App** | **Capstone** |
| Week 15  31/7 - 6/8 | Eid Vacation | |
| Week 16  7/8 - 13/8 | **Q&A** |  |

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| **IOS Developer Nanodegree** | | | |
| date | Session | Session Duration | Homework |
| Week 1 24/4 - 30/4 | **Session Type: Introductory**  **Session Content:**   * Getting to know each other * Answering any questions students have about the program * Introducing a brief about the topics they'll learn next week   **Careers session #1:** **Elevator pitch** “within connect session, 30 min. Delivered by SLs” | 1 hour and 15 minutes | Complete **Welcome to the Nanodegree** section  Complete all lessons in **Learn Swift Programming** |
| Week 2  1/5 - 7/5 | **Session Type: Touch-Base**  **Session Content:**   * Swift code practice (variables, functions, Extensions, OOP, etc.) * Overview about **project 1: Pitch Perfect**   **Careers session #2: Expectations**   * “independent session to be delivered within week 2 by Careers team for 30 min” * Delivery date: Thursday, May 7th, 9 PM KSA | 1.5 hours | Complete lessons in **Intro to iOS App Development with Swift**:   * Introduction and Xcode * AutoLayout and Buttons * ViewController and Multiple Views   **Start working on project 1: Pitch Perfect** |
| Week 3  8/5 - 14/5 | **Session Type: Coding Activities**  **Session Content:**   * AutoLayout & Actions coding activity * Continuing the work on project 1 | 2 hours | Complete lessons in **Intro to iOS App Development with Swift**:   * Delegation and Recording * Playback and Audio Effects * Brainstorm Ideas for Your Final App! * [Optional] Suggested Electives   **Submit and pass project 1: Pitch Perfect** |
| Week 4  15/5 - 21/5 | **Session Type: Workshop\***   * **Session Content:**   + Audio and Delegates Review   + Submitting project 1 (for students who couldn't submit it) * **Careers session #3: Digital Profiles**   + “independent session to be delivered within week 8 by SLs for 1.5 hrs”   + Delivery date: Thursday, May 21st, 7 PM KSA   **\*This session is for working on the project and completing it. You’re exempted from attending this session if you submit the project before the session** | 1.5 hours | Complete lessons in **UIKit Fundamentals**:   * Outlets and Actions * View Presentations and Segues * The Delegate Pattern   **Start working on project 2: MemeMe 1.0: The Meme Editor** |
| Week 5  22/5 - 28/5 | **Eid Vacation** | | |
| Week 6  29/5 - 4/6 | **Session Type: Coding Activities**  **Session Content:**   * Delegates, Image Picker, Segues, and View Presentations coding activity * Overview about **project 2: MemeMe 1.0: The Meme Editor** * Continuing the work on project 2 | 2 hours | Complete lessons in **UIKit Fundamentals**:   * Build V1.0 of the MemeMe App   **Submit and pass project 2: MemeMe 1.0: The Meme Editor** |
| Week 7  5/6 - 11/6 | **Session Type: Workshop\***   * **Session Content:**   + Submitting project 2 (for students who couldn't submit it) * **Careers session #4: Career Portal**   + “within connect session to be delivered by SLs team for 30 min.” | 1.5 hours | Complete lessons in **UIKit Fundamentals**:   * Table Views * Navigation * Complete the MemeMe App   **Start working on project 3: MemeMe 2.0: The Final Product** |
| Week 8  12/6 - 18/6 | **Session Type: Coding Activities**  **Session Content:**   * Table View, Collection View, and Tab Bar coding activity * Overview about **project 3: MemeMe 2.0: The Final Product** * Continuing the work on project 3 | 1.5 hours | **Submit and pass project 3: MemeMe 2.0: The Final Product**  Complete all the lessons in AutoLayout  Complete all the lessons in Sketch UI Elements  **Submit LinkedIn and Github projects** |
| Week 9  19/6 - 25/6 | **Session Type: Workshop\***   * **Session Content:**   + Submitting project 3 (for students who couldn't submit it) * **Careers session #5: Careers Webinar**   + “independent session within week 10, to be delivered by SLs for 1 hr”   + Delivery date: TBD “according to employer’s availability”   **\*This session is for working on the project and completing it. You’re exempted from attending this session if you submit the project before the session** | 1.5 hours | Complete lessons in **iOS Networking**:   * Prereq: Associated Values * Prereq: Guards * Prereq: Errors * Prereq: Generics * Prereq: Closure Reloaded * Networking Foundations: HTTP * Networking Foundations: Swift   **Read the description and the rubric of project 4: On the Map** |
| Week 10  26/6 - 2/7 | **Session Type: Coding Activities**  **Session Content:**   * Sample networking app coding activity * Understanding project 4 * Understanding Udacity API through Postman | 2 hours | Complete lessons in **iOS Networking**:   * Intro to Web Services * Consuming Data * Authentication   **Start working on project 4: On the Map** |
| Week 11  3/7 - 9/7 | **Session Type: Coding Activities**  **Session Content:**   * Sample networking app with more functionalities coding activity * Continuing the work on project 4 | 2 hours | Complete lessons in **iOS Networking**:   * Deeper API Interaction * Common Networking Challenges * [Project] On the Map * [Optional] Suggested Electives   **Continue working on project 4: On the Map** |
| Week 12  10/7 - 16/7 | **Session Type: Coding Activities**  **Session Content:**   * Sample networking app with more functionalities coding activity - part 2 * Continuing the work on project 4 | 2 hours | **Finalize project 4: On the Map, submit it, and pass it.**  Complete all lessons in **Find Web APIs** |
| Week 13  17/7 - 23/7 | **Session Type: Workshop\***  **Session Content:**   * Submitting project 4 (for students who couldn't submit it)   **\*This session is for working on the project and completing it. You’re exempted from attending this session if you submit the project before the session** | 2 hours | Complete lessons in **Data Persistence and GCD**:   * GCD and Queues * Background Lengthy Tasks * Simple Persistence * iOS File System and Sandboxing * Introducing Core Data   **Start working on project 5: Virtual Tourist** |
| Week 14  24/7 - 30/7 | **Session Type: Coding Activities**  **Session Content:**   * Core Data modeling activity * Overview about project 5: Virtual Tourist * Continuing the work on project 5 | 1.5 hours | Complete lessons in **Data Persistence and GCD**:   * The Core Data Stack * Simpler Code with Core Data * Rounding Out Core Data * [Optional] Suggested Electives   **Continue working on project 5: Virtual Tourist** |
| Week 15  31/7 - 6/8 | **Eid Vacation** | | |
| Week 16  7/8 - 13/8 | **Session Type: Coding Activities**  **Session Content:**   * Core Data coding activity * Continuing the work on project 5 | 2 hours | **Finalize project 5: Virtual Tourist, submit it, and pass it** |
| Week 17  14/8 - 20/8 | **Session Type: Workshop\***  **Session Content:**   * Submitting project 5 (for students who couldn't submit it)   **\*This session is for working on the project and completing it. You’re exempted from attending this session if you submit the project before the session** | 1.5 hours | **Read the description and the rubric of project 6: You Decide**  Complete lessons in **Final Projec**t:   * Research * Build * Reflect * [Optional] Suggested Electives   **Start working on project 6: The final project** |
| Week 18  21/8 - 27/8 | **Session Type: Workshop\***  **Session Content:**   * Continuing the work of project 6   **\*This session is for working on the project and completing it. You’re exempted from attending this session if you submit the project before the session** | 1 hour | **Submit and pass the final project** |
| Week 19  28/8 - 3/9 | Finish & GRADUATE 🎓  (This is a 1 hour session for submitting project 6 if you didn’t submit it yet. You’re exempted from attending this session if you submitted it or you don’t need any help with your projects. If you need help, please attend) | | |

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| **Full Stack Nanodegree** | | |
| date | Session | Homework |
| Week 1 24/4 - 30/4 | Complete Lessons in **SQL and Data Modeling for the Web**   * Course introduction * Interacting with databases   **Careers session #1:** **Elevator pitch** “within connect session, 30 min. Delivered by SLs” | **SQL and Data Modeling for the Web** |
| Week 2  1/5 - 7/5 | Complete Lessons in **SQL and Data Modeling for the Web**   * SQLAlchemy basics * SQLAlchemy ORM in depth   **Careers session #2: Expectations**   * “independent session to be delivered within week 2 by Careers team for 30 min” * Delivery date: Thursday, May 7th, 9 PM KSA | **SQL and Data Modeling for the Web** |
| Week 3  8/5 - 14/5 | Complete Lessons in **SQL and Data Modeling for the Web**   * Build a CRUD App with SQLAlchemy - Part 1 * Migrations * Build a CRUD App with SQLAlchemy - Part 2   Submit P1: **Fyyur** | **SQL and Data Modeling for the Web** |
| Week 4  15/5 - 21/5 | * Complete Lessons in **API Development and Documentation**   + Introduction to APIs   + HTTP and Flask Basics * **Careers session #3: Digital Profiles**   + “independent session to be delivered within week 8 by SLs for 1.5 hrs”   + Delivery date: Thursday, May 21st, 7 PM KSA | **API Development and Documentation** |
| Week 5  22/5 - 28/5 | Eid Vacation | |
| Week 6  29/5 - 4/6 | Complete Lessons in **API Development and Documentation**   * Endpoints and Payloads * API Testing | **API Development and Documentation** |
| Week 7  5/6 - 11/6 | * Complete Lessons in **API Development and Documentation**   + API Documentation * Submit P2: **Trivia API** * **Careers session #4: Career Portal**   + “within connect session to be delivered by SLs team for 30 min.” | **API Development and Documentation** |
| Week 8  12/6 - 18/6 | Complete Lessons in **Identity and Access Management**   * Foundation * Identity and Authentication | **Identity and Access Management** |
| Week 9  19/6 - 25/6 | * Complete Lessons in **Identity and Access Management**   + Passwords   + Access and Authorization * **Careers session #5: Careers Webinar**   + “independent session within week 10, to be delivered by SLs for 1 hr”   + Delivery date: TBD “according to employer’s availability” | **Identity and Access Management** |
| Week 10  26/6 - 2/7 | Complete Lessons in **Identity and Access Management**   * Thinking Adversarially   Submit P3: **Coffee shop full stack** | **Identity and Access Management** |
| Week 11  3/7 - 9/7 | Complete Lessons in **Server Deployment, Containerization and Testing**   * introduction | **Server Deployment, Containerization and Testing** |
| Week 12  10/7 - 16/7 | Complete Lessons in **Server Deployment, Containerization and Testing**   * containers | **Server Deployment, Containerization and Testing** |
| Week 13  17/7 - 23/7 | Complete Lessons in **Server Deployment, Containerization and Testing**   * deployment   Submit P4: **Deploy Your Flask App to Kubernetes Using EKS** | **Server Deployment, Containerization and Testing** |
| Week 14  24/7 - 30/7 | Complete Lessons in **capstone project**   * Capstone Prep and Deployment * Submit P5: capstone project | **capstone project** |
| Week 15  31/7 - 6/8 | Eid Vacation | |
| Week 16  7/8 - 13/8 | َQA | **capstone project** |
| Week 17  14/8 - 20/8 | Finish & GRADUATE 🎓 | |

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| **Predictive Analytics Nanodegree** | | |
| Date | Before session | Session |
| Week 1 24/4 - 30/4 | Watch Welcome to the program and  Pass P1: Working with Data project | Welcome to the Program  **Finish P1**: **Predicting diamond prices**  **Careers session #1:** **Elevator pitch** “within connect session, 30 min. Delivered by SLs” |
| Week 2  1/5 - 7/5 | Start watching videos from Problem Solving with Analytics  Complete sections:   * The Analytical problem * Selecting an Analytical framework * Linear Regression | Activity for the analytical problem and linear regression  **Careers session #2: Expectations**   * “independent session to be delivered within week 2 by Careers team for 30 min” * Delivery date: Thursday, May 7th, 9 PM KSA |
| Week 3  8/5 - 14/5 | Work on and finish **P2 Predicting catalog demand** | Discuss and finish **P2**: **Predicting catalog demand** |
| Week 4  15/5 - 21/5 | Start watching videos from Data Wrangling  Complete sections:   * Understanding data * Data issues * Data formatting * Data blending | * Data cleaning activity * **Careers session #3: Digital Profiles**   + “independent session to be delivered within week 8 by SLs for 1.5 hrs”   + Delivery date: Thursday, May 21st, 7 PM KSA |
| Week 5  22/5 - 28/5 | Eid Vacation | |
| Week 6  29/5 - 4/6 | Work on and finish **P3: Create an analytical dataset** | Discuss and finish **P3: Create an analytical dataset** |
| Week 7  5/6 - 11/6 | Start watching videos from Classification Models  Complete sections:   * Classification problems * Binary classification models * Non-binary classification models | * Classification activity * **Careers session #4: Career Portal**   + “within connect session to be delivered by SLs team for 30 min.” |
| Week 8  12/6 - 18/6 | Work on and finish **P4**: **Predicting default risk** | Discuss and finish **P4**: **Predicting default risk** |
| Week 9  19/6 - 25/6 | Start watching videos from A/B testing  Complete sections:   * A/B testing fundamentals * Randomized design tests * Matched pair design tests | A/B Testing activity |
| Week 10  26/6 - 2/7 | Work on and finish **P5: A/B test a new menu launch** | * Discuss and finish **P5: A/B test a new menu launch** * **Careers session #5: Careers Webinar**   + “independent session within week 10, to be delivered by SLs for 1 hr”   + Delivery date: TBD “according to employer’s availability” |
| Week 11  3/7 - 9/7 | Start watching videos from Time series forecasting:   * Fundamentals of time series forecasting * ETS models * ARIMA models * Analyzing and visualizing results | Working with time series activity |
| Week 12  10/7 - 16/7 | Start watching videos from Segmentation and clustering:   * Segmentation fundamentals * Preparing data for clustering * Variable reduction * Clustering models * Validating and applying clusters * Data visualization in tableau | Clustering activity |
| Week 13  17/7 - 23/7 | Work on and finish **P6: Combining predictive techniques** | Finish & GRADUATE 🎓 |

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| **Intro to Machine Learning nanodegree** | | |
| Date | Study | Session |
| Week 1 24/4 - 30/4 | Start watching videos from Welcome to the Nanodegree and Supervised Learning  Complete sections:   * Machine Learning Bird’s Eye View * Linear Regression * Perceptron Algorithm * Decision Trees | **Careers session #1:** **Elevator pitch** “within connect session, 30 min. Delivered by SLs” |
| Week 2  1/5 - 7/5 | Complete videos from Supervised Learning  Complete sections:   * Naive Bayes * Support Vector Machines * Ensemble Methods | Supervised Learning Session  **Careers session #2: Expectations**   * “independent session to be delivered within week 2 by Careers team for 30 min” * Delivery date: Thursday, May 7th, 9 PM KSA |
| Week 3  8/5 - 14/5 | Complete videos from Supervised Learning  Complete sections:   * Model Evaluation Metrics * Training and Tuning   Pass P1 **Finding Donors for CharityML** Project |  |
| Week 4  15/5 - 21/5 | Start watching videos from Deep Learning  Complete sections:   * Introduction to Neural Networks * Implementing Gradient Descent | * **Careers session #3: Digital Profiles**   + “independent session to be delivered within week 8 by SLs for 1.5 hrs”   + Delivery date: Thursday, May 21st, 7 PM KSA |
| Week 5  22/5 - 28/5 | Eid Vacation | |
| Week 6  29/5 - 4/6 | Continue watching videos from Deep Learning  Complete sections:   * Training Neural Networks * Keras | Deep Learning Session |
| Week 7  5/6 - 11/6 | Continue watching videos from Deep Learning  Complete sections:   * Deep Learning with PyTorch   Pass P2 **Image classifier** Project | * **Careers session #4: Career Portal**   + “within connect session to be delivered by SLs team for 30 min.” |
| Week 8  12/6 - 18/6 | Summary for supervised learning | |
| Week 9  19/6 - 25/6 | Start watching videos from Unsupervised Learning  Complete sections:   * Clustering * Hierarchical and Density Based Clustering * Gaussian Mixture Models and Cluster Validation | * **Careers session #5: Careers Webinar**   + “independent session within week 10, to be delivered by SLs for 1 hr”   + Delivery date: TBD “according to employer’s availability” |
| Week 10  26/6 - 2/7 | Continue watching videos from Unsupervised Learning  Complete sections:   * Dimensionality Reduction and PCA * Random Projection and ICA | Unsupervised Learning Session |
| Week 11  3/7 - 9/7 | Pass P3 **Identify Customer Segments** Project  Finish & GRADUATE 🎓 | |
| Week 12  10/7 - 16/7 |

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| **Advanced Nanodegree** | | |

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| **Deep learning nanodegree** | | |
| Date | Study | Session |
| Week 1 24/4 - 30/4 | Finish watching Introduction to Deep learning and start watching next in curriculum Neural Networks | **Careers session #1:** **Elevator pitch** “within connect session, 30 min. Delivered by SLs” |
| Week 2  1/5 - 7/5 | Continue watching Neural Networks | Predictions with Neural Networks Session  **Careers session #2: Expectations**   * “independent session to be delivered within week 2 by Careers team for 30 min” * Delivery date: Thursday, May 7th, 9 PM KSA |
| Week 3  8/5 - 14/5 | Finish watching Neural Networks and **P1 Predicting Bike-sharing patterns** |  |
| Week 4  15/5 - 21/5 | Start watching videos from Convolutional Neural Networks |  |
| Week 5  22/5 - 28/5 | Eid Vacation | |
| Week 6  29/5 - 4/6 | Continue watching Convolutional Neural Networks to Auto Encoders | Image classification sessions |
| Week 7  5/6 - 11/6 | Finish watching videos from Convolutional Neural Networks and **P2 Dog Breed Classifier** | * **Careers session #3: Digital Profiles**   + “independent session to be delivered within week 8 by SLs for 1.5 hrs”   + Delivery date: Thursday, June 11th, 7 PM KSA |
| Week 8  12/6 - 18/6 | Start watching videos from Recurrent Neural Networks till Embeddings and word2vec |  |
| Week 9  19/6 - 25/6 | Continue watching videos from Recurrent Neural Networks | * RNN Session * **Careers session #4: Career Portal**   + “within connect session to be delivered by SLs team for 30 min.” |
| Week 10  26/6 - 2/7 | Finish watching videos from Recurrent Neural Networks and **P3 Generate TV scripts** | * **Careers session #5: Careers Webinar**   + “independent session within week 10, to be delivered by SLs for 1 hr”   + Delivery date: TBD “according to employer’s availability” |
| Week 11  3/7 - 9/7 | Start watching videos from Generative Adversarial Networks till Pix2Pix&Cycle GANs |  |
| Week 12  10/7 - 16/7 | Continue watching videos from Generative Adversarial Networks | GANs Session |
| Week 13  17/7 - 23/7 | Finish watching videos from Generative Adversarial Networks and **P4 Generate Faces** |  |
| Week 14  24/7 - 30/7 | Start watching videos from Deploying a Model till building a Model using Sage Maker |  |
| Week 15  31/7 - 6/8 | Eid Vacation | |
| Week 16  7/8 - 13/8 | Continue watching videos from Deploying a model till Updating a Model and start working on **P5 Deploying a Sentiment Analysis Model** | Final Project Session |
| Week 17  14/8 - 20/8 | Finish **P5 Deploying a Sentiment Analysis Model** |  |

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| **Data Engineer Nanodegree** | | |
| Date | Before session | Session |
| Week 1 24/4 - 30/4 | Python & SQL refresher | Python/SQL Activities  **Careers session #1:** **Elevator pitch** “within connect session, 30 min. Delivered by SLs” |
| Week 2  1/5 - 7/5 | Start watching videos from Welcome to the Nanodegree  Complete sections:   * Welcome to the Nanodegree * Introduction to Data Engineering * Nanodegree career services | Data Modeling Overview  **Careers session #2: Expectations**   * “independent session to be delivered within week 2 by Careers team for 30 min” * Delivery date: Thursday, May 7th, 9 PM KSA |
| Week 3  8/5 - 14/5 | Start watching videos from Data Modeling  Complete sections:   * Introduction to Data Modeling * Relational Data Models   Work on **P1: Data Modeling with Postgres** | P1 completion |
| Week 4  15/5 - 21/5 | Complete sections:   * NoSQL Data Models   Work on **P2: Data Modeling with Apache Cassandra** | P2 completion |
| Week 5  22/5 - 28/5 | Eid Vacation | |
| Week 6  29/5 - 4/6 | Start watching videos from Cloud Data Warehouses  Complete sections:   * Introduction to Data Warehouses * Introduction to the Cloud and AWS * Introduction to Cloud Computing and AWS | * Introduction to Data Warehouses * **Careers session #3: Digital Profiles**   + “independent session to be delivered within week 8 by SLs for 1.5 hrs”   + Delivery date: Thursday, June 4th, 7 PM KSA |
| Week 7  5/6 - 11/6 | Continue watching videos from Cloud Data Warehouses  Complete sections:   * Implementing Data Warehouses on AWS   Work on **P3: Data Warehouse** | P3 Completion |
| Week 8  12/6 - 18/6 | Start watching videos from Data Lakes with Spark  Complete sections:   * The Power of Spark * Data Wrangling with Spark | * Introduction to Spark * **Careers session #4: Career Portal**   + “within connect session to be delivered by SLs team for 30 min.” |
| Week 9  19/6 - 25/6 | Continue watching videos from Data Lakes with Spark  Complete sections:   * Debugging and Optimization * Introduction to Data Lakes | Introduction to Data Lakes |
| Week 10  26/6 - 2/7 | Work on **P4: Data Lake** | * P4 completion * **Careers session #5: Careers Webinar**   + “independent session within week 10, to be delivered by SLs for 1 hr”   + Delivery date: TBD “according to employer’s availability” |
| Week 11  3/7 - 9/7 | Start watching videos from Data Pipelines with AIrflow  Complete sections:   * Data Pipelines * Data Quality | Introduction to Data Pipelines |
| Week 12  10/7 - 16/7 | Continue watching videos from Data Pipelines with AIrflow  Complete sections:   * Production Data Pipelines * AWS Setup Instructions | Introduction to Airflow |
| Week 13  17/7 - 23/7 | Work on **P5: Data Pipelines** | P5 Completion |
| Week 14  24/7 - 30/7 | Work on **P6: Capstone Project** | P6 Discussion |
| Week 15  31/7 - 6/8 | Eid Vacation | |
| Week 16  7/8 - 13/8 | Work on **P6: Capstone Project** | Q&A |
| Week 17  14/8 - 20/8 | Work on **P6: Capstone Project** | Q&A |
| Week 18  21/8 - 27/8 | Finish & GRADUATE 🎓 | |

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| **Intro to Self-Driving Cars Nanodegree** | |
| Date | CAREERS INTERVENTIONS |
| Week 1 24/4 - 30/4 | * **Careers session #1:** **Elevator pitch** “within connect session, 30 min. Delivered by SLs” |
| Week 2  1/5 - 7/5 | * **Careers session #2: Expectations**   + “independent session to be delivered within week 2 by Careers team for 30 min”   + Delivery date: Thursday, May 7th, 9 PM KSA |
| Week 8  12/6 - 18/6 | * **Careers session #3: Digital Profiles**   + “independent session to be delivered within week 8 by SLs for 1.5 hrs”   + Delivery date: Thursday, June 18th, 7 PM KSA |
| Week 9  19/6 - 25/6 | * **Careers session #4: Career Portal**   + “To be recorded by SLs for 30 min.” |
| Week 11  3/7 - 9/7 | * **Careers session #5: Careers Webinar**   + “independent session within week 10, to be delivered by SLs for 1 hr”   + Delivery date: TBD “according to employer’s availability” |