**BEGINNER25**

| **Course Name** | **Start Date** | **Length in weeks** | **Rating** |
| --- | --- | --- | --- |
| Web Applications for Everybody [https://www.wa4e.com](https://www.wa4e.com/) via **Others** | Self paced | NA | NA |
| Python for Everybody [https://www.py4e.com](https://www.py4e.com/) - Exploring Information via **Others** | Self paced | NA | NA |
| NEW Swift for Beginners <https://www.udacity.com/course/swift-for-beginners--ud1022> via **Udacity** | Self paced | NA | NA |
| NEW Android for Beginners <https://www.udacity.com/course/android-for-beginners--ud834> via **Udacity** | Self paced | NA | NA |
| NEW Introduction to R <https://www.datacamp.com/courses/free-introduction-to-r> via **Datacamp** | Self paced | NA | NA |
| NEW Intro to Python for Data Science <https://www.datacamp.com/courses/intro-to-python-for-data-science> via **Datacamp** | Self paced | NA | NA |
| Introduction to the Internet of Things and Embedded Systems <https://www.coursera.org/learn/iot> via **Coursera** | 5th Dec | 4 | 3.7★ |
| CODAPPS: Coding mobile apps for entrepreneurs <https://www.coursera.org/learn/codapps> via **Coursera** | 5th Dec | 8 | 5★ |
| How To Create a Website in a Weekend! Project-Centered Course <https://www.coursera.org/learn/how-to-create-a-website> via **Coursera** | 5th Dec | 3 | 5★ |
| Ruby on Rails: An Introduction <https://www.coursera.org/learn/ruby-on-rails-intro> via **Coursera** | 5th Dec | 3 | 3.1★ |
| Build a Modern Computer from First Principles: From Nand to Tetris Project-Centered Course <https://www.coursera.org/learn/build-a-computer> via **Coursera** | 5th Dec | 6 | 4.8★ |
| HTML, CSS and JavaScript <https://www.coursera.org/learn/html-css-javascript> via **Coursera** | 5th Dec | 3 | 4.1★ |
| Introduction to HTML5 <https://www.coursera.org/learn/html> via **Coursera** | 5th Dec | 3 | 4.1★ |
| Code Yourself! An Introduction to Programming <https://www.coursera.org/learn/intro-programming> via **Coursera** | 5th Dec | 5 | 4.3★ |
| Introduction to CSS3 <https://www.coursera.org/learn/introcss> via **Coursera** | 5th Dec | 4 | 4.6★ |
| HTML, CSS, and Javascript for Web Developers <https://www.coursera.org/learn/html-css-javascript-for-web-developers> via **Coursera** | 5th Dec | 5 | 5★ |
| Python Programming: A Concise Introduction <https://www.coursera.org/learn/python-programming-introduction> via **Coursera** | 5th Dec | NA | NA |
| Usable Security <https://www.coursera.org/learn/usable-security> via **Coursera** | 12th Dec | 7 | 2.9★ |
| An Introduction to Interactive Programming in Python Part 2 <https://www.coursera.org/learn/interactive-python-2> via **Coursera** | 12th Dec | 4 | 4.8★ |
| Programming Foundations with JavaScript, HTML and CSS <https://www.coursera.org/learn/duke-programming-webvia> **Coursera** | 12th Dec | 4 | 3.8★ |
| Introduction to Web Development <https://www.coursera.org/learn/web-development> via **Coursera** | 12th Dec | NA | NA |
| An Introduction to Interactive Programming in Python Part 1 <https://www.coursera.org/learn/interactive-python-1> via **Coursera** | 12th Dec | 5 | 4.9★ |
| Creative Programming for Digital Media & Mobile Apps <https://www.coursera.org/learn/digitalmedia> via **Coursera** | 19th Dec | NA | 4★ |
| Learn to Program: The Fundamentals <https://www.coursera.org/learn/learn-to-programvia> **Coursera** | 19th Dec | 10 | 4.8★ |
| Internet History, Technology, and Security <https://www.coursera.org/learn/internet-history> via **Coursera** | 26th Dec | 10 | 4.6★ |

**INTERMEDIATE156**

| **Course Name** | **Start Date** | **Length in weeks** | **Rating** |
| --- | --- | --- | --- |
| NEW Minecraft, Coding and Teaching <https://www.edx.org/course/minecraft-coding-teaching-uc-san-diegox-ltm1xvia> **edX** | Self paced | NA | NA |
| VR Software Development <https://www.udacity.com/course/vr-software-development--ud1014> via **Udacity** | Self paced | NA | NA |
| NEW Swift for Developers <https://www.udacity.com/course/swift-for-developers--ud1025> via **Udacity** | Self paced | NA | NA |
| NEW Introduction to DevOps: Transforming and Improving Operations <https://www.edx.org/course/introduction-devops-transforming-linuxfoundationx-lfs161x> via **edX** | Self paced | NA | NA |
| Algorithms, Part II <https://www.coursera.org/learn/java-data-structures-algorithms-2> via **Coursera** | 1st Dec | 6 | 4.8★ |
| Software Defined Networking <https://www.coursera.org/learn/sdn> via **Coursera** | 1st Dec | NA | 4.2★ |
| NEW Probabilistic Graphical Models 3: Learning <https://www.coursera.org/learn/probabilistic-graphical-models-3-learning> via **Coursera** | 1st Dec | NA | NA |
| Single Page Web Applications with AngularJS <https://www.coursera.org/learn/single-page-web-apps-with-angularjsvia>**Coursera** | 5th Dec | NA | NA |
| Approximation Algorithms Part I <https://www.coursera.org/learn/approximation-algorithms-part-1> via **Coursera** | 5th Dec | 5 | 5★ |
| Managing Big Data with MySQL <https://www.coursera.org/learn/analytics-mysql> via **Coursera** | 5th Dec | 5 | 3.8★ |
| Advanced Algorithms and Complexity <https://www.coursera.org/learn/advanced-algorithms-and-complexity> via **Coursera** | 5th Dec | NA | NA |
| Ruby on Rails Web Services and Integration with MongoDB <https://www.coursera.org/learn/ruby-on-rails-web-services-mongodb> via **Coursera** | 5th Dec | 4 | 4.8★ |
| Advanced Styling with Responsive Design <https://www.coursera.org/learn/responsivedesignvia> **Coursera** | 5th Dec | 4 | 4.7★ |
| Foundations of Objective-C App Development <https://www.coursera.org/learn/objective-cvia> **Coursera** | 5th Dec | 4 | 3★ |
| Cloud Computing Concepts, Part 1 <https://www.coursera.org/learn/cloud-computingvia> **Coursera** | 5th Dec | 5 | 2.6★ |
| Biology Meets Programming: Bioinformatics for Beginners <https://www.coursera.org/learn/bioinformatics> via **Coursera** | 5th Dec | 4 | 5★ |
| The Arduino Platform and C Programming <https://www.coursera.org/learn/arduino-platformvia> **Coursera** | 5th Dec | 4 | 3.3★ |
| App Design and Development for iOS <https://www.coursera.org/learn/ios-app-design-development> via **Coursera** | 5th Dec | 5 | 3★ |
| Data Visualization <https://www.coursera.org/learn/datavisualization> via **Coursera** | 5th Dec | 4 | 3.2★ |
| Rails with Active Record and Action Pack <https://www.coursera.org/learn/rails-with-active-record> via **Coursera** | 5th Dec | 4 | 4★ |
| Graph Search, Shortest Paths, and Data Structures <https://www.coursera.org/learn/algorithms-graphs-data-structures> via **Coursera** | 5th Dec | NA | NA |
| The Raspberry Pi Platform and Python Programming for the Raspberry Pi <https://www.coursera.org/learn/raspberry-pi-platform> via **Coursera** | 5th Dec | 4 | 3.5★ |
| Introduction to Spreadsheets and Models <https://www.coursera.org/learn/wharton-introduction-spreadsheets-models> via **Coursera** | 5th Dec | 4 | 4.7★ |
| Responsive Website Basics: Code with HTML, CSS, and JavaScript <https://www.coursera.org/learn/website-coding> via **Coursera** | 5th Dec | 4 | 3.9★ |
| Framework for Data Collection and Analysis <https://www.coursera.org/learn/data-collection-framework> via **Coursera** | 5th Dec | NA | 3.5★ |
| Functional Program Design in Scala <https://www.coursera.org/learn/progfun2> via **Coursera** | 5th Dec | NA | NA |
| Software Processes and Agile Practices <https://www.coursera.org/learn/software-processes-and-agile-practices> via **Coursera** | 5th Dec | 4 | 4.3★ |
| Introduction to Software Product Management <https://www.coursera.org/learn/introduction-to-software-product-managementvia> **Coursera** | 5th Dec | 2 | 4.2★ |
| Client Needs and Software Requirements <https://www.coursera.org/learn/client-needs-and-software-requirements> via **Coursera** | 5th Dec | 4 | 4.3★ |
| Agile Planning for Software Products <https://www.coursera.org/learn/agile-planning-for-software-products> via **Coursera** | 5th Dec | 4 | 3★ |
| Reviews & Metrics for Software Improvements <https://www.coursera.org/learn/reviews-and-metrics-for-software-improvements> via **Coursera** | 5th Dec | 4 | NA |
| Getting Started: Agile Meets Design Thinking <https://www.coursera.org/learn/getting-started-agilevia> **Coursera** | 5th Dec | 5 | 5★ |
| Big Data Modeling and Management Systems <https://www.coursera.org/learn/big-data-management> via **Coursera** | 5th Dec | NA | NA |
| Best Practices for iOS User Interface Design <https://www.coursera.org/learn/ui> via **Coursera** | 5th Dec | 4 | 5★ |
| Interfacing with the Arduino <http://bit.ly/2gXagqZ> via **Coursera** | 5th Dec | 4 | 4★ |
| Communicating Data Science Results <https://www.coursera.org/learn/data-results> via **Coursera** | 5th Dec | 3 | 1★ |
| Java Programming: Principles of Software Design <https://www.coursera.org/learn/java-programming-design-principles> via **Coursera** | 5th Dec | 4 | 4.7★ |
| Object Oriented Programming in Java <https://www.coursera.org/learn/object-oriented-java> via **Coursera** | 5th Dec | 6 | 4.8★ |
| Документы и презентации в LaTeX Introduction to LaTeX <https://www.coursera.org/learn/latex> via **Coursera** | 5th Dec | 5 | NA |
| Cloud Networking <https://www.coursera.org/learn/cloud-networking> via **Coursera** | 5th Dec | 5 | 4.3★ |
| Web Application Development with JavaScript and MongoDB <https://www.coursera.org/learn/web-application-development> via **Coursera** | 5th Dec | 4 | 4.2★ |
| Interfacing with the Raspberry Pi <https://www.coursera.org/learn/raspberry-pi-interface> via **Coursera** | 5th Dec | 4 | 1★ |
| Data Manipulation at Scale: Systems and Algorithms <https://www.coursera.org/learn/data-manipulation> via **Coursera** | 5th Dec | 4 | 2.5★ |
| Algorithmic Toolbox <https://www.coursera.org/learn/algorithmic-toolbox> via **Coursera** | 5th Dec | 5 | 4.7★ |
| Toward the Future of iOS Development with Swift <https://www.coursera.org/learn/iosswift> via **Coursera** | 5th Dec | 4 | NA |
| Data Structures <https://www.coursera.org/learn/data-structures> via **Coursera** | 5th Dec | 4 | 2★ |
| Server-side Development with NodeJS <https://www.coursera.org/learn/server-side-development> via **Coursera** | 5th Dec | 4 | 5★ |
| Front-End JavaScript Frameworks: AngularJS <https://www.coursera.org/learn/angular-js> via **Coursera** | 5th Dec | 4 | 3.8★ |
| Text Retrieval and Search Engines <https://www.coursera.org/learn/text-retrieval> via **Coursera** | 5th Dec | 4 | 3.2★ |
| Interactivity with JavaScript <https://www.coursera.org/learn/javascript> via **Coursera** | 5th Dec | 4 | 4.3★ |
| Cybersecurity and the Internet of Things <https://www.coursera.org/learn/iot-cyber-security> via **Coursera** | 5th Dec | NA | NA |
| Front-End Web UI Frameworks and Tools <https://www.coursera.org/learn/web-frameworks> via **Coursera** | 5th Dec | 4 | 4.3★ |
| Managing an Agile Team <https://www.coursera.org/learn/agile-team-management> via **Coursera** | 5th Dec | NA | 2★ |
| R Programming <https://www.coursera.org/learn/r-programming> via **Coursera** | 5th Dec | 4 | 2.7★ |
| The Data Scientist’s Toolbox <https://www.coursera.org/learn/data-scientists-toolsvia> **Coursera** | 5th Dec | 4 | 3.2★ |
| Getting and Cleaning Data <https://www.coursera.org/learn/data-cleaning> via **Coursera** | 5th Dec | 4 | 3.4★ |
| Practical Machine Learning <https://www.coursera.org/learn/practical-machine-learning> via **Coursera** | 5th Dec | 4 | 3.4★ |
| Exploratory Data Analysis <https://www.coursera.org/learn/exploratory-data-analysis> via **Coursera** | 5th Dec | 4 | 3.8★ |
| Regression Models <https://www.coursera.org/learn/regression-models> via **Coursera** | 5th Dec | 4 | 2.6★ |
| Statistical Inference <https://www.coursera.org/learn/statistical-inference> via **Coursera** | 5th Dec | 4 | 2.7★ |
| Reproducible Research <https://www.coursera.org/learn/reproducible-research> via **Coursera** | 5th Dec | 4 | 3.7★ |
| Software Architecture for the Internet of Things <https://www.coursera.org/learn/iot-software-architecture> via **Coursera** | 5th Dec | NA | NA |
| NEW Advanced Linear Models for Data Science 2: Statistical Linear Models <https://www.coursera.org/learn/linear-models-2> via **Coursera** | 5th Dec | NA | NA |
| Games, Sensors and Media <https://www.coursera.org/learn/games> via **Coursera** | 5th Dec | 4 | NA |
| Mastering the Software Engineering Interview <https://www.coursera.org/learn/cs-tech-interview> via **Coursera** | 5th Dec | 4 | 5★ |
| Algorithms on Graphs <https://www.coursera.org/learn/algorithms-on-graphs> via **Coursera** | 5th Dec | NA | 4★ |
| Multiplatform Mobile App Development with Web Technologies <https://www.coursera.org/learn/hybrid-mobile-development> via **Coursera** | 5th Dec | 4 | 5★ |
| Data Warehouse Concepts, Design, and Data Integration <http://bit.ly/2fYB1hn> via **Coursera** | 5th Dec | 5 | 5★ |
| Advanced Data Structures in Java <https://www.coursera.org/learn/advanced-data-structures> via **Coursera** | 5th Dec | 5 | NA |
| Introduction to Data Science in Python <https://www.coursera.org/learn/python-data-analysis> via **Coursera** | 5th Dec | NA | NA |
| Algorithms on Strings <https://www.coursera.org/learn/algorithms-on-strings> via **Coursera** | 5th Dec | NA | 3★ |
| Functional Programming Principles in Scala <https://www.coursera.org/learn/progfun1> via **Coursera** | 5th Dec | 7 | 4.8★ |
| Data Structures and Performance <https://www.coursera.org/learn/data-structures-optimizing-performance> via **Coursera** | 5th Dec | 5 | 5★ |
| Programming Mobile Applications for Android Handheld Systems: Part 2 <https://www.coursera.org/learn/android-programming-2> via **Coursera** | 5th Dec | 5 | 4.5★ |
| Divide and Conquer, Sorting and Searching, and Randomized Algorithms <https://www.coursera.org/learn/algorithms-divide-conquer> via **Coursera** | 5th Dec | NA | NA |
| NEW Greedy Algorithms, Minimum Spanning Trees, and Dynamic Programming <https://www.coursera.org/learn/algorithms-greedy> via **Coursera** | 5th Dec | NA | NA |
| Build Your First Android App Project-Centered Course <https://www.coursera.org/learn/android-appvia> **Coursera** | 5th Dec | 5 | 3★ |
| Responsive Website Tutorial and Examples <https://www.coursera.org/learn/responsive-website-examples> via **Coursera** | 5th Dec | 4 | 5★ |
| Programming Mobile Applications for Android Handheld Systems: Part 1 <https://www.coursera.org/learn/android-programming> via **Coursera** | 5th Dec | 5 | 4.1★ |
| Beginning Game Programming with C# <https://www.coursera.org/learn/game-programming> via **Coursera** | 5th Dec | 12 | 3.4★ |
| Global Warming II: Create Your Own Models in Python <https://www.coursera.org/learn/global-warming-model> via **Coursera** | 12th Dec | 5 | 2★ |
| Data Analysis Tools <https://www.coursera.org/learn/data-analysis-tools> via **Coursera** | 12th Dec | 4 | 3★ |
| Algorithmic Thinking Part 1 <https://www.coursera.org/learn/algorithmic-thinking-1> via **Coursera** | 12th Dec | 4 | 4.1★ |
| Testing with Agile <https://www.coursera.org/learn/agile-development> via **Coursera** | 12th Dec | NA | NA |
| Interactive Computer Graphics <https://www.coursera.org/learn/interactive-computer-graphics> via **Coursera** | 12th Dec | 8 | 3.5★ |
| Managing Data Analysis <https://www.coursera.org/learn/managing-data-analysis> via **Coursera** | 12th Dec | 1 | 1.8★ |
| Cloud Computing Concepts: Part 2 <https://www.coursera.org/learn/cloud-computing-2> via **Coursera** | 12th Dec | 5 | 4.8★ |
| Cybersecurity and Mobility <https://www.coursera.org/learn/cybersecurity-mobility> via **Coursera** | 12th Dec | NA | NA |
| Android App Components - Intents, Activities, and Broadcast Receivers<https://www.coursera.org/learn/androidapps> via **Coursera** | 12th Dec | NA | NA |
| NEW Building Data Visualization Tools <https://www.coursera.org/learn/r-data-visualization> via **Coursera** | 12th Dec | NA | NA |
| Analysis of Algorithms <https://www.coursera.org/learn/analysis-of-algorithms> via **Coursera** | 12th Dec | 6 | 4.8★ |
| Introduction to Meteor.js Development<https://www.coursera.org/learn/meteor-development> via **Coursera** | 12th Dec | 4 | 5★ |
| iOS App Development Basics <https://www.coursera.org/learn/ios-app-development-basics> via **Coursera** | 12th Dec | 5 | 4★ |
| Essential Design Principles for Tableau <https://www.coursera.org/learn/dataviz-design> via **Coursera** | 12th Dec | NA | NA |
| C++ For C Programmers, Part B <https://www.coursera.org/learn/c-plus-plus-b> via **Coursera** | 12th Dec | NA | NA |
| Data Science in Real Life <https://www.coursera.org/learn/real-life-data-sciencevia> **Coursera** | 12th Dec | 1 | 3★ |
| Building a Data Science Team <https://www.coursera.org/learn/build-data-science-team> via **Coursera** | 12th Dec | 1 | 3.3★ |
| Machine Learning <https://www.coursera.org/learn/machine-learning> via **Coursera** | 12th Dec | 11 | 4.8★ |
| Principles of Computing Part 1 <https://www.coursera.org/learn/principles-of-computing-1> via **Coursera** | 12th Dec | 5 | 4.6★ |
| Introduction to Big Data <https://www.coursera.org/learn/big-data-introduction> via **Coursera** | 12th Dec | 3 | 2.6★ |
| Running Product Design Sprints <https://www.coursera.org/learn/running-design-sprints> via **Coursera** | 12th Dec | 5 | NA |
| NEW Fundamentals of Computer Architecture <https://www.coursera.org/learn/computer-architecture-fundamentals> via **Coursera** | 12th Dec | NA | NA |
| Data Visualization and Communication with Tableau <https://www.coursera.org/learn/analytics-tableau> via **Coursera** | 12th Dec | 5 | 4★ |
| Hadoop Platform and Application Framework <https://www.coursera.org/learn/hadoop> via **Coursera** | 12th Dec | 5 | 1.9★ |
| A developer's guide to the Internet of Things IoT <https://www.coursera.org/learn/developer-iot> via **Coursera** | 12th Dec | NA | 4★ |
| Internet of Things: Communication Technologies <https://www.coursera.org/learn/internet-of-things-communication> via **Coursera** | 12th Dec | 4 | 3★ |
| Building R Packages <https://www.coursera.org/learn/r-packages> via **Coursera** | 12th Dec | NA | NA |
| Java Programming: Solving Problems with Software <https://www.coursera.org/learn/java-programming> via **Coursera** | 12th Dec | 4 | 3.3★ |
| A Crash Course in Data Science <https://www.coursera.org/learn/data-science-course> via **Coursera** | 12th Dec | 1 | 3.3★ |
| Database Management Essentials <https://www.coursera.org/learn/database-management> via **Coursera** | 12th Dec | 7 | 3.8★ |
| Introduction to Neurohacking In R <https://www.coursera.org/learn/neurohacking> via **Coursera** | 12th Dec | NA | NA |
| The R Programming Environment <https://www.coursera.org/learn/r-programming-environment> via **Coursera** | 12th Dec | NA | NA |
| Introduction to Architecting Smart IoT Devices <https://www.coursera.org/learn/iot-devices> via **Coursera** | 12th Dec | NA | NA |
| Algorithmic Thinking Part 2 <https://www.coursera.org/learn/algorithmic-thinking-2> via **Coursera** | 12th Dec | NA | 4.4★ |
| Fundamentals of Visualization with Tableau <https://www.coursera.org/learn/data-visualization-tableau> via **Coursera** | 12th Dec | NA | NA |
| Dealing With Missing Data <https://www.coursera.org/learn/missing-data> via **Coursera** | 12th Dec | NA | NA |
| Java Programming: Arrays, Lists, and Structured Data <https://www.coursera.org/learn/java-programming-arrays-lists-data> via **Coursera** | 12th Dec | 4 | 4.3★ |
| Cloud Computing Applications, Part 1: Cloud Systems and Infrastructure <https://www.coursera.org/learn/cloud-applications-part1> via **Coursera** | 12th Dec | 5 | 3.4★ |
| Big Data Integration and Processing <https://www.coursera.org/learn/big-data-integration-processing> via **Coursera** | 12th Dec | NA | NA |
| Cybersecurity and the X-Factor <https://www.coursera.org/learn/cybersecurity-and-x-factor> via **Coursera** | 12th Dec | NA | NA |
| Advanced R Programming <https://www.coursera.org/learn/advanced-r> via **Coursera** | 12th Dec | NA | NA |
| Responsive Web Design <https://www.coursera.org/learn/responsive-web-design> via **Coursera** | 12th Dec | 4 | 3.3★ |
| Introduction To Swift Programming <https://www.coursera.org/learn/swift-programming> via **Coursera** | 12th Dec | 5 | 1.2★ |
| Data Management and Visualization <https://www.coursera.org/learn/data-visualization> via **Coursera** | 12th Dec | 4 | 2.4★ |
| Principles of Computing Part 2 <https://www.coursera.org/learn/principles-of-computing-2> via **Coursera** | 12th Dec | NA | 4.3★ |
| Software Security <https://www.coursera.org/learn/software-security> via **Coursera** | 12th Dec | 6 | 4.7★ |
| Java for Android <https://www.coursera.org/learn/java-for-android> via **Coursera** | 13th Dec | 4 | NA |
| NEW Building and Deploying Android App Projects <https://www.coursera.org/learn/badaap> via **Coursera** | 15th Dec | NA | NA |
| C++ For C Programmers, Part A <https://www.coursera.org/learn/c-plus-plus-a> via **Coursera** | 19th Dec | NA | 3.2★ |
| Introduction to Genomic Technologies <https://www.coursera.org/learn/introduction-genomics> via **Coursera** | 19th Dec | 4 | 2.7★ |
| Python for Genomic Data Science <https://www.coursera.org/learn/python-genomics> via **Coursera** | 19th Dec | 4 | 2.4★ |
| Web Connectivity and Security in Embedded Systems <https://www.coursera.org/learn/iot-connectivity-security> via **Coursera** | 19th Dec | NA | NA |
| Bioinformatics: Introduction and Methods 生物信息学: 导论与方法 <https://www.coursera.org/learn/bioinformatics-pku> via **Coursera** | 19th Dec | 14 | NA |
| Statistics for Genomic Data Science <https://www.coursera.org/learn/statistical-genomics> via **Coursera** | 19th Dec | 4 | 2★ |
| Web Application Development: Basic Concepts <https://www.coursera.org/learn/web-app> via **Coursera** | 19th Dec | NA | NA |
| 算法设计与分析 Design and Analysis of Algorithms <https://www.coursera.org/learn/algorithms> via **Coursera** | 19th Dec | 13 | NA |
| Genomic Data Science with Galaxy <https://www.coursera.org/learn/galaxy-project> via **Coursera** | 19th Dec | 4 | 1.8★ |
| Discrete Optimization <https://www.coursera.org/learn/discrete-optimization> via **Coursera** | 19th Dec | 9 | 4.3★ |
| Programming Languages, Part B <https://www.coursera.org/learn/programming-languages-part-b> via **Coursera** | 19th Dec | NA | NA |
| Build Your Own iOS App <https://www.coursera.org/learn/build-app> via **Coursera** | 19th Dec | NA | NA |
| 面向对象技术高级课程（The Advanced Object-Oriented Technology） <https://www.coursera.org/learn/aoo> via **Coursera** | 19th Dec | 12 | NA |
| Julia Scientific Programming <https://www.coursera.org/learn/julia-programming> via **Coursera** | 19th Dec | NA | NA |
| Computer Architecture <https://www.coursera.org/learn/comparch> via **Coursera** | 19th Dec | 11 | 4.5★ |
| Internet of Things: How did we get here? <https://www.coursera.org/learn/internet-of-things-history> via **Coursera** | 26th Dec | 2 | 2★ |
| Big Data, Cloud Computing, & CDN Emerging Technologies <https://www.coursera.org/learn/big-data-cloud-computing-cdnvia>**Coursera** | 26th Dec | 3 | 3.3★ |
| Wireless Communication Emerging Technologies <https://www.coursera.org/learn/wireless-communication-technologiesvia>**Coursera** | 26th Dec | 5 | 3.7★ |
| Internet of Things & Augmented Reality Emerging Technologies <https://www.coursera.org/learn/iot-augmented-reality-technologies> via **Coursera** | 26th Dec | 2 | 2.5★ |
| Algorithms, Part I <https://www.coursera.org/learn/introduction-to-algorithms> via **Coursera** | 26th Dec | 6 | 4.4★ |
| Cryptography I <https://www.coursera.org/learn/cryptovia> **Coursera** | 26th Dec | 7 | 4.7★ |
| Programming Languages, Part C <https://www.coursera.org/learn/programming-languages-part-c> via **Coursera** | 26th Dec | NA | NA |
| Architecting Smart IoT Devices <https://www.coursera.org/learn/iot-architecture> via **Coursera** | 26th Dec | NA | NA |
| Internet of Things: Sensing and Actuation From Devices <https://www.coursera.org/learn/internet-of-things-sensing-actuation> via **Coursera** | 26th Dec | 6 | NA |
| Internet of Things: Setting Up Your DragonBoard™ Development Platform <https://www.coursera.org/learn/internet-of-things-dragonboard> via **Coursera** | 26th Dec | 10 | 3★ |
| Process Mining: Data science in Action <https://www.coursera.org/learn/process-mining> via **Coursera** | 26th Dec | 6 | 4.3★ |
| Internet Emerging Technologies <https://www.coursera.org/learn/internet-technologies> via **Coursera** | 26th Dec | 3 | 3★ |
| Cryptography <https://www.coursera.org/learn/cryptography> via **Coursera** | 26th Dec | 7 | 4.2★ |

**ADVANCED42**

| **Course Name** | **Start Date** | **Length in weeks** | **Rating** |
| --- | --- | --- | --- |
| NEW Combining and Analyzing Complex Data <https://www.coursera.org/learn/data-collection-analytics-project> via **Coursera** | 1st Dec | NA | NA |
| NEW Recommender Systems: Evaluation and Metrics <https://www.coursera.org/learn/recommender-metrics> via **Coursera** | 1st Dec | NA | NA |
| Genomic Data Science and Clustering Bioinformatics V <https://www.coursera.org/learn/genomic-data> via **Coursera** | 1st Dec | 2 | 3.5★ |
| Regression Modeling in Practice <https://www.coursera.org/learn/regression-modeling-practice> via **Coursera** | 2nd Dec | 4 | 5★ |
| Genome Sequencing Bioinformatics II <https://www.coursera.org/learn/genome-sequencing> via **Coursera** | 5th Dec | 4 | 5★ |
| Big Data, Genes, and Medicine <https://www.coursera.org/learn/data-genes-medicine> via **Coursera** | 5th Dec | NA | NA |
| Probabilistic Graphical Models 1: Representation <https://www.coursera.org/learn/probabilistic-graphical-models> via **Coursera** | 5th Dec | 11 | 4.4★ |
| Parallel programming <https://www.coursera.org/learn/parprog1> via **Coursera** | 5th Dec | NA | 5★ |
| Machine Learning With Big Data <https://www.coursera.org/learn/big-data-machine-learning> via **Coursera** | 5th Dec | 4 | 1.8★ |
| Comparing Genes, Proteins, and Genomes Bioinformatics III <https://www.coursera.org/learn/comparing-genomes> via **Coursera** | 5th Dec | 5 | 5★ |
| Relational Database Support for Data Warehouses <https://www.coursera.org/learn/dwrelational> via **Coursera** | 5th Dec | 5 | 2★ |
| Machine Learning Foundations: A Case Study Approach <https://www.coursera.org/learn/ml-foundations> via **Coursera** | 5th Dec | 6 | 4.2★ |
| Finding Mutations in DNA and Proteins Bioinformatics VI <https://www.coursera.org/learn/dna-mutations> via **Coursera** | 5th Dec | 5 | NA |
| Approximation Algorithms Part II <https://www.coursera.org/learn/approximation-algorithms-part-2> via **Coursera** | 5th Dec | 4 | NA |
| Machine Learning: Regression <https://www.coursera.org/learn/ml-regression> via **Coursera** | 5th Dec | 6 | 4.7★ |
| Finding Hidden Messages in DNA Bioinformatics I <https://www.coursera.org/learn/dna-analysis> via **Coursera** | 5th Dec | 4 | 4.5★ |
| Machine Learning: Classification <https://www.coursera.org/learn/ml-classification> via **Coursera** | 5th Dec | 7 | 4.8★ |
| Pattern Discovery in Data Mining <https://www.coursera.org/learn/data-patterns> via **Coursera** | 5th Dec | 4 | 2.2★ |
| Graph Analytics for Big Data <https://www.coursera.org/learn/big-data-graph-analytics> via **Coursera** | 5th Dec | 4 | 2.4★ |
| Machine Learning: Clustering & Retrieval <https://www.coursera.org/learn/ml-clustering-and-retrieval> via **Coursera** | 5th Dec | NA | 4.5★ |
| Practical Predictive Analytics: Models and Methods <https://www.coursera.org/learn/predictive-analytics> via **Coursera** | 5th Dec | 4 | 2.5★ |
| Developing Data Products <https://www.coursera.org/learn/data-products> via **Coursera** | 5th Dec | 4 | 3.9★ |
| Cloud Computing Applications, Part 2: Big Data and Applications in the Cloud <http://bit.ly/2gXcF52> via **Coursera** | 5th Dec | NA | NA |
| Introduction to Recommender Systems: Non-Personalized and Content-Based <https://www.coursera.org/learn/recommender-systems-introduction> via **Coursera** | 5th Dec | NA | NA |
| Hardware Security <https://www.coursera.org/learn/hardware-security> via **Coursera** | 5th Dec | 6 | 3★ |
| Cluster Analysis in Data Mining <https://www.coursera.org/learn/cluster-analysis> via **Coursera** | 12th Dec | 4 | 2.6★ |
| Basic Data Descriptors, Statistical Distributions, and Application to Business Decisions <https://www.coursera.org/learn/descriptive-statistics-statistical-distributions-business-application> via **Coursera** | 12th Dec | NA | NA |
| Text Mining and Analytics <https://www.coursera.org/learn/text-mining> via **Coursera** | 12th Dec | 4 | 3.7★ |
| Nearest Neighbor Collaborative Filtering <https://www.coursera.org/learn/collaborative-filtering> via **Coursera** | 12th Dec | NA | NA |
| Machine Learning for Data Analysis <https://www.coursera.org/learn/machine-learning-data-analysis> via **Coursera** | 12th Dec | 4 | 3★ |
| Probabilistic Graphical Models 2: Inference <https://www.coursera.org/learn/probabilistic-graphical-models-2-inference> via **Coursera** | 19th Dec | NA | NA |
| Computational Neuroscience <https://www.coursera.org/learn/computational-neuroscience> via **Coursera** | 19th Dec | 8 | 3.8★ |
| Algorithms for DNA Sequencing <https://www.coursera.org/learn/dna-sequencing> via **Coursera** | 19th Dec | 4 | 4.5★ |
| Bioconductor for Genomic Data Science <https://www.coursera.org/learn/bioconductor> via **Coursera** | 19th Dec | 4 | 3.3★ |
| System Validation 2: Model process behaviour <https://www.coursera.org/learn/system-validation-behavior> via **Coursera** | 19th Dec | NA | NA |
| System Validation: Automata and behavioural equivalences <https://www.coursera.org/learn/automata-system-validation> via **Coursera** | 26th Dec | NA | NA |
| Advanced Linear Models for Data Science 1: Least Squares <https://www.coursera.org/learn/linear-models> via **Coursera** | 26th Dec | NA | NA |
| Big Data Science with the BD2K-LINCS Data Coordination and Integration Center <https://www.coursera.org/learn/bd2k-lincs> via **Coursera** | 26th Dec | 7 | 4★ |
| Neural Networks for Machine Learning <https://www.coursera.org/learn/neural-networks> via **Coursera** | 26th Dec | 8 | 4.5★ |
| Hands-on Text Mining and Analytics <https://www.coursera.org/learn/text-mining-analytics> via **Coursera** | 26th Dec | NA | NA |
| Quantitative Formal Modeling and Worst-Case Performance Analysis <https://www.coursera.org/learn/quantitative-formal-modeling-1> via **Coursera** | 26th Dec | 4 | 4★ |
| Embedded Hardware and Operating Systems <https://www.coursera.org/learn/embedded-operating-system> via **Coursera** | 26th Dec | NA | NA |