Students completing the MOBILE APPLICATION DEVELOPMENT Certificate or A.S. degree will be well qualified in the process of designing, coding, and deploying mobile applications for a wide variety of uses, including utility, e-commerce, productivity, enterprise, and web. Students will be prepared to enter the field as an independent mobile application developer or to work for a software engineering firm filling the role of mobile application developer. The final course of this program is a capstone project where students work to create a complete, polished and deployable mobile application.

REQUIRED COURSES:
- **CIS-74 Digital Design I (3 Units)**  
  Introduction to graphic design for multimedia applications
- **CIS-75 Digital Design II (3 Units) pre-req CIS-74**  
  Advanced topics in graphic design for multimedia applications
- **CIS-66 Web Development I (3 Units)**  
  An introduction to the web technologies and languages
- **CIS-67 Web Development II (3 Units) pre-req CIS-66**  
  An advanced course covering the extension of static web pages through content management systems, PHP programming, and information storage and retrieval using databases
- **CIS-68 Mobile Applications Development I (3 Units) pre-req CIS-67 and CIS-75**  
  Introduction to basic principles and practices of architecting and programming for mobile platforms
- **CIS-69 Mobile Applications Development II (3 Units) pre-req CIS-68**  
  Advanced principles and practices of architecting and programming for mobile devices
- **GAM-44 Portfolio Production (2 Units) pre-req CIS-68 or CIS/CSC-17B or 18B or GAM-23 or 32 or 46 or 48 or 52 or MUC-6**  
  Creative organization and presentation of a body of work exhibiting portfolio-quality aptitude
  An introduction to Java Programming
- **CIS-18B/CSC-18B Java Programming Advanced Objects (3 Units)**  
  Advanced Java Programming
- **CIS-5* Programming Concepts and Methodology I: C++ (4 Units)**  
  An introduction to the fundamentals of problem definition, algorithm development, and structured programming logic for business, scientific and mathematical applications

*This class transfers towards one or more CSUSB or Cal Poly majors. Visit www.assist.org or the Counseling Office for details.

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SUGGESTED SEMESTER SEQUENCE

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For more information regarding certificate program, course sequencing or scheduling:

James Finley, Instructor of Multimedia  
(951) 739-7868 • james.finley@norcocollege.edu

Norco College Counseling Department  
(951) 372-7101
MOBILE APPLICATION DEVELOPMENT
30 UNIT CERTIFICATE | 60 UNIT ASSOCIATE DEGREE

Jobs & Wages

• Software Developer, Applications

$33.80 - $65.62

An Associate of Science Degree in Mobile Application Development will be awarded upon completion of the required courses (30 units) plus the General Education requirements. Please refer to the Norco College Catalog or visit the Counseling Center.

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at http://www.norcocollege.edu/cte/Pages/mobile-application.aspx

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