



TECH-VOC TRACK ICT STRAND Mobile App Development

This strand provides students with a solid foundation in the software development process of mobile applications. Aside from teaching the fundamentals of theories, concepts and algorithms related to computing, it also covers mobile architecture and user interface design, which are critical to the development of mobile-based applications. Students will be trained in two of the most popular platforms in mobile computing - iOS and Android. They will also be introduced to web-based development for mobile devices. After completing all requirements for this strand, the students will be equipped with the technical knowledge and skills needed to create functional and appealing mobile applications that can be used in various commercial and/or social settings.

Grade 11 - 1st Semester

CORE SUBJECTS	HOURS
Oral Communication	80
Komunikasyon at Pananaliksik sa Wikang Filipino at Kulturang Pilipino	80
General Math	80
Earth and Life Science	80
Understanding Culture, Society and Politics	80
Physical Education and Health	20
SPECIALIZED SUBJECTS	
Introduction to Information Technology	80
Computer Programming (C++)	80
TOTAL HOURS	580

Grade 11 - 2nd Semester

CORE SUBJECTS	HOURS
Reading and Writing	80
Pagbasa at Pagsusuri ng Ibat-Ibang Teksto Tungo sa Pananaliksik	80
Statistics and Probability	80
Physical Science	80
Personal Development	80
Physical Education and Health	20
CONTEXTUALIZED SUBJECTS	
Research in Daily Life 1	80
SPECIALIZED SUBJECTS	
Object-Oriented Programming in Java	80
Data Structures in Java	80
TOTAL HOURS	660



Grade 12 - 1st Semester

CORE SUBJECTS	HOURS
21st Century Literature from the Philippines and the World	80
Introduction to Philosophy of the Human Person	80
Physical Education and Health	20
CONTEXTUALIZED SUBJECTS	
English for Academic and Professional Purposes	80
Research in Daily Life 2	80
Pagsulat sa Filipino sa Piling Larangan	80
SPECIALIZED SUBJECTS	
Mobile Computing in Android	80
Database Management Programming in Android	80
Android UX and UI Design	80
TOTAL HOURS	660

Grade 12 - 2nd Semester

CORE SUBJECTS	HOURS
Contemporary Philippine Arts from the Regions	80
Media and Information Literacy	80
Physical Education and Health	20
CONTEXTUALIZED SUBJECTS	
Entrepreneurship	80
Research Project/Culminating Activity	80
Empowerment Technologies (E-tech): ICT for Professional Tracks	80
SPECIALIZED SUBJECTS	
iOS App Development in Swift	80
iOS Networking and Security	80
Work Immersion	80
TOTAL HOURS	660