

Faculty of Sciences and Engineering (FSE)

Bachelor of Science In Digital Economic (B.Sc. in DE)

I. Why Choose this Program?

The Bachelor of Science in Digital Economic (B.Sc. in DE) program was designed to:

- Build Expertise in the Digital Economy
- Develop Data Analytics and Digital Skills
- Prepare for the Future of Business and Finance
- Enhance Critical Thinking and Strategic Decision-Making
- Provide Career-Ready Experience

II. Future Career Prospects

Graduates from this program will be able to pursue careers such as:

- Digital Business Analyst
- E-Commerce Manager
- Economic and Policy Analyst
- Data Analyst / Business Intelligence Analyst
- Economic and Policy Analyst
- Entrepreneur or Innovation Consultant

III. Course Structure

The four-year program consists of **120 credits** and is structured to provide students with a comprehensive academic foundation through a well-balanced curriculum of foundation, functional, pre-major, and major courses.

To fulfill the graduation requirements, students must successfully complete the following coursework:

YEAR 1		
Course Title	Credits	Priority
English I: Reading and Composition + Lab	4	Required
Gender Studies	3	Required
Khmer Studies	3	Required
Digital Literacy + Lab	4	Required

English II: Reading and Composition + Lab	4	Required
History of Cambodia	4	Required
Computer Programming I	3	Required
Multimedia and Web Design	3	Required
YEAR 2		
Course Title	Credits	Priority
Personal Growth and Development	4	Required
Database Design	3	Required
Computer Programming II	3	Required
Logic and Critical Thinking	3	Required
Linea Algebra	3	Required
ASEAN Government, Politics and Economics	4	Required
Financial Accounting I	3	Required
Microeconomic Principles	3	Required
Web Application Development	3	Required
Database Management System	3	Required
YEAR 3		
Course Title	Credits	Priority
Marketing Principles	3	Required
Data Communication and Networking	3	Required
Introduction to IoT	3	Required
Cloud Computing	3	Required
Object Oriented Programming	3	Required
Introduction to Ethics	3	Required
Research Methodology	3	Required
Financial Management I	3	Required
Big Data Technologies	3	Required
Introduction to Cyber Security	3	Required

YEAR 4		
Course Title	Credits	Priority
Macroeconomic Principles	3	Required
UI/UX Design	3	Required
Mobile Application Development	3	Required
Math for Economics	3	Required
AI and Machine Learning	3	Required
Apply Econometrics	4	Required
Software Engineering	3	Required
Digital Product Innovation & Entrepreneurship	3	Required
E-Commerce Management	3	<i>Elective</i>
Big Data Analytics	3	<i>Elective</i>
Business Intelligence and Data Visualization	3	<i>Elective</i>
Digital Economy Policy	3	<i>Elective</i>
Management Information Systems	3	<i>Elective</i>
Blockchain and Digital Assets	3	<i>Elective</i>

Note: Students need to choose **ONE elective course.*

GRADUATION PATH		
Option I: Senior Project	6	Required
Option II: Internship	6	Required
Option III: Exit Exam	6	Required

Note: Graduation Path: Students choose only **ONE option.*