

B. Program Teknologi Informasi *Web Development* (TI WD)**Curriculum Contents****Semester 1**

Modules	Credits
Introduction to Information Technology	3
Introduction to Information Technology Project	1
Algorithm and Programming	2
Algorithm and Programming Project	1
Relational Database Design	2
Implementing Database Design on MS SQL Server	3
Implementing Database Design on MS SQL Server Project	1
Tools and Technique for Analyzing Data	3
Tools and Technique for Analyzing Data Project	1
Operating System	2
Total Credits	19

Semester 2

Modules	Credits
Object Oriented Programming	3
Object Oriented Programming Project	1
Java Programming	3
Java Programming Project	1
Introduction to Web Programming	3
Introduction to Web Programming Project	1
Web Application	3
Web Application Project	1
Leadership and Communication Skills	2
Algorithm and Data Structure	2
Total Credits	20

Semester 3

Modules	Credits
Collaborative Development using Repository System	2
Web Programming for Mobile Devices	3
Web Programming for Mobile Devices Project	1
Advanced Database	3
Administering Database	2
Administering Database Project	1
Developing Information System	4
Developing Information System Project	1
Information Systems Architecture and Technology	2
Total Credits	19

Semester 4

Modules	Credits
Rapid Application Development using Visual C#	3
Rapid Application Development using Visual C# Project	1
Advance Web Programming using ASP.NET	3
Advance Web Programming using ASP.NET Project	1
Developing Enterprises Information System using Framework	3
Developing Enterprises Information System using Framework Project	1
Professional Ethics	2
Security Concept	2
Software Engineering	3
Total Credits	19