

DURHAM TECHNICAL COMMUNITY COLLEGE PLAN OF STUDY

Revised Fall 2020
5 Semesters

INFORMATION TECHNOLOGY
Software Development
Associate Degree (A25590S)

Catalog/Academic Year 2020-2021

Key to symbols after some courses:

* Developmental courses (ENG 002 and/or MAT 003) may be required based on college placement and course requisites.

** Requires prior approval by Work Based Learning Coordinator

^{GE} Fulfills the general education requirements for this degree.

FALL SEMESTER 2020

Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks	Notes
ACA 122 College Transfer Success	0	2	0	1		
CIS 110 Introduction to Computers OR CTS 120 Hardware/Software Support	2	2-3	0	3	Hybrid (CTS 120)	
CTI 110 Web, Programming, & Database Foundation	2	2	0	3		
CTI 120 Networking & Security Foundation	2	2	0	3	Hybrid or Online	
CTS 115 Information Systems Business Concepts	3	0	0	3	Hybrid	
ENG 111 Writing and Inquiry* ^{GE}	3	0	0	3		

SPRING SEMESTER 2021

Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks	Notes
CSC 121 Python Programming	2	3	0	3	Hybrid	
CSC 151 JAVA Programming	2	3	0	3		
DBA 110 Database Concepts	2	3	0	3	Hybrid or Online	
MAT 143 Quantitative Literacy* ^{GE} OR MAT 171 Precalculus Algebra* ^{GE}	2-3	2	0	3-4		
WEB 110 Internet/Web Fundamentals	2	2	0	3	Hybrid or Online	

SUMMER TERM 2021

Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks	Notes
ENG 112 Writing/Research in the Disciplines ^{GE}	3	0	0	3		
Humanities/Fine Arts Elective* ^{GE}				3	HUM 115 or PHI 240 recommended	

FALL SEMESTER 2021

Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks	Notes
CSC 153 C# Programming	2	3	0	3	Hybrid	
CSC 251 Advanced JAVA Programming	2	3	0	3	Hybrid	
DBA 120 Database Programming I	2	2	0	3	Online	
NOS 120 Linux/UNIX Single User	2	2	0	3		
WEB 115 Web Markup and Scripting	2	2	0	3	Hybrid	

SPRING SEMESTER 2022

Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks	Notes
CSC 118 Swift Programming I	2	3	0	3	Hybrid	
CSC 152 SAS	2	3	0	3	Online	
CSC 253 Advanced C# Programming	2	3	0	3	Hybrid	
WBL 110 World of Work**	1	0	0	1	Online	
WBL 111 Work-Based Learning I**	0	0	10	1		
Social/Behavioral Sciences Elective* ^{GE}				3	PSY 150 or SOC 210 recommended	

MINIMUM SEMESTER HOURS REQUIRED FOR AAS DEGREE**66****Humanities/Fine Arts Elective** – Choose one of the following:

ART 111, ART 114, ART 115, ART 117, ART 121, ART 131, ART 171, ART 240, ART 244, ART 281, DRA 122, ENG 231, ENG 232, ENG 241, ENG 242, ENG 273, HUM 110, **HUM 115**, HUM 120, HUM 150, HUM 160, MUS 110, MUS 112, PHI 215, **PHI 240**, REL 110, REL 211

Social/Behavioral Sciences Elective – Choose one of the following:

ANT 210, ANT 220, ECO 251, ECO 252, GEO 111, HIS 111, HIS 112, HIS 131, HIS 132, POL 120, POL 220, **PSY 150**, **SOC 210**, SOC 225

V.A. Students: An approval signature from the V.A. Office is required before registering. Some courses may not be certifiable.

For additional information about requirements and graduation, please refer to the [Curriculum Program Completion and Graduation](#) policy. Program-specific criteria may be found on the respective [Programs](#) page. For questions about this program, consult the Program Director or an advisor for assistance.