York Technical College
One College. Many Opportunities.

WINTHROP UNIVERSITY

DATA SCIENCE GUIDED PATHWAY

Earn an Associate of Science from York Technical College, and transfer to Winthrop University to earn your Bachelor of Arts in Data Science. If you possess high quantitative reasoning skills with an interest in mathematics and computer science, and also have the desire to devwlop innovative techniques to solve data-driven problems in a variety of discplines, this program is a great fit! The Data Science program is designed to have students engage with real-world problems and build a portfolio of data projects that will ready them for graduate study or an entry-level position in data analytics.

11/24

TERM 1 at York Technical College

Course		√
COL 101: College Orientation	1	
ENG 101: English Composition I	3	
MAT 112: PreCalculus	5	
ENG 102: English Composition II	3	
PSC 201: American Government	3	
Total credits:	**15**	

TERM 2 at York Technical College

Course		√
Bio 101: Biological Sciences I	4	
ENG 208: World Literature I	3	
MAT 140: Analytical Geometry and Calculus	4	
SPA 101: Elementary Spanish I	4	
Total credits:	**15**	

TERM 3 at York Technical College

Course		√
Bio 102: Biological Sciences II	4	
MAT 141: Analytical Geometry and Calculus II	4	
PSY 201: General Psychology	3	
SPA 102: Elementary Spanish II	4	
Total credits:	**15**	

TERM 4 at York Technical College

Course		√
ART 101: Art History and Appreciation	3	
HIS 102: Western Civilization post 1689	3	
HIST 201: American History to 1877	3	
SOC 101: Introduction to Sociology	3	
CPT 101: Introduction to Computers	3	
Total credits:	**15**	

TERM 5 at Winthrop University

Course		√
HXCT 301: Human Experience/ Critical Reading, Thinking and Writing	3	
CSCI 207: Overview of Computer Science	4	
MATH 341: Statistical Methods	3	
DSCI 101: Data Science Seminar	1	
DCSI 300: Introduction to Data Science	3	
Total credits:	**14**	

TERM 6 at Winthrop University

Course		√
CSCI 208: Introduction to Computer Science	4	
CSCI 210: Programming Tools	1	
MAED 200: Introduction to Mathematica	1	
MATH 300: Linear Algebra	3	
MATH 544: Regresson Modeling	3	
PESH	1	
Minor/Elective	3	
Total credits:	**16**	

TERM 7 at Winthrop University

Course		√
CSCI 271: Algorithm Analysis and Data Structure	4	
CSCI 355: Database Processing	3	
DSCI 401: Data Mining	3	
Minor/Elective	6	
Total credits:	**16**	

TERM 8 at Winthrop University

Course		√
CSCI 327: Social Implications of Computing	3	
DSCI 402: Data Science Capstone	3	
DSCI elective	3	
Minor/electives	9	
Total credits:	**15**	

Advising Topics (at York Tech)	Term 1	Term 2	Year 1	Term 3	Term 4	Year 2
Monitor York Tech e-mail	*	*		*	*	
Schedule/ attend advising appointment & register for next semester classes through Navigate. https://yorktech.navigate.eab.com	*	*		*	*	
Build academic plan in Navigate Planner	*					
Create profile in the WU Credit Transfer Evaluator (https://winthrop.transfer.degree/app/index.html)	*					
Add YTC courses to WU Credit Transfer Evaluator to monitor degree progress	*	*		*	*	
Complete FAFSA. (YTC Code: 003996)			*			*
Maintain a cumulative GPA of 3.0 or higher to be eligible for WU transfer scholarships. Maintain 3.0 & 30 credit-hours for LIFE Scholarship	*		*			*
Apply for YTC scholarships (www.yorktech.edu/Scholarships/)			*			*
Attend WU Transfer Information Session (https://www.winthrop.edu/admissions/visit-the-campus.aspx)				*	*	
The semester before you plan to transfer to WU, complete the WU Transfer Application (apply.winthrop.edu/apply) and send your unofficial YTC transcript to WU					*	
Apply for YTC graduation					*	
When your final grades are posted for your last YTC classes, send your official transcript to WU.					*	
Advising Topics (at Winthrop)	**Term 5**	**Term 6**	**Year 3**	**Term 7**	**Term 8**	**Year 4**
Monitor Winthrop e-mail	*	*		*	*	
Schedule and attend advising appointment	*	*		*		
Declare a minor if applicable	*					
Review interim grades	*	*		*	*	
Track use of S/U and repeat options	*	*		*	*	
Track cultural events	*	*		*	*	
Maintain a 3.0 or higher GPA & 30 credit-hours per year for LIFE Scholarship			*			*
Complete HXCT 301 with a grade of C- or better			*			
Register for next semester classes	*	*		*		
Monitor progress on 40 credit hours above 299		*		*		
Monitor degree progress in Degree Works	*	*		*	*	
Apply online for graduation				*		