

CHEMISTRY GUIDED PATHWAY

Earn an Associate of Science from York Technical College and transfer to Winthrop University to earn your Bachelor of Science in Chemistry. Students majoring in Chemistry can select one of five programs of study to tailor their curricula to meet their long-term professional objectives. Those programs are chemistry, biochemistry, forensic chemistry, health and chemical sciences and pre-engineering. Students major in chemistry to pursue industrial or graduate opportunities in medicine, environmental science, computational molecular modeling, forensics, plastics, chemistry, textiles, health sciences, materials science, energy production, biotechnology, chemical engineering, pharmaceutical sciences, ceramics, environmental engineering, or toxicology.

4/23

TERM 1 at York Technical College		
Course		√
COL 101: College Orientation	1	
ENG 101: English Composition I	3	
MAT 112: Pre-Calculus	5	
CHM 110: College Chemistry I	4	
CHM 111: College Chemistry II	4	
Total credits:	17	

TERM 2 at York Technical College		
Course		√
ART 101: Art History and Appreciation	3	
ENG 102: English Composition II	3	
ENG 208: World Literature I	3	
HIS 201: American History to 1877	3	
MAT 140: Analytical Geo and Calc I	4	
Total credits:	16	

TERM 3 at York Technical College		
Course		√
MAT 141: Analytical Geometry and Calc II	4	
BIO 101: Biological Science I	4	
PHY 221: University Physics I	4	
SPA 101: Elementary Spanish I	4	
Total credits:	16	

TERM 4 at York Technical College		
Course		√
PSC 201: American Government	3	
PSY 201: General Psychology	3	
SPA 102: Elementary Spanish II	4	
PHY 222: University Physics II	4	
Total credits:	14	

TERM 5 at Winthrop University		
Course		√
CHEM 301: Organic Chemistry I & II with Lab	4	
CHEM 305: Chemical Hygiene and Safety	1	
CHEM 491: Department Seminars	0	
HXCT 301: Human Experience/ Critical Reading, Thinking and Writing	3	
Math/Sci >299	4	
Total credits:	12	

TERM 6 at Winthrop University		
Course		√
CHEM 302 & 304: Organic Chemistry I and II with Lab	4	
CHEM 312, 313 & 314: Introductory Chemometrics, Quantitative Analysis & Lab	5	
CHEM 492: Department Seminars	0	
Technology	3	
Total credits:	12	

TERM 7 at Winthrop University		
Course		√
CHEM 407 & 409: Physical Chemistry I with Lab	4	
CHEM 493: Department Seminars	0	
Math/Sci >299	4	
CHEM 551: Research	3	
Physical Activity	1	
Total credits:	12	

TERM 8 at Winthrop University		
Course		√
CHEM 408 & 410: Physical Chemistry II with Lab	4	
CHEM 494: Department Seminars	0	
CHEM 495: Senior Seminar in Chemistry	1	
CHEM 552: Research	3	
Math/Sci >299	4	
Total credits:	12	

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				*		