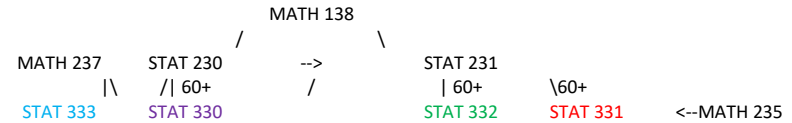


**Students are strongly encouraged to declare their Statistics plan as early as possible.
Being a declared major is required for enrollment in ENGL 378/MTHL 300 and raises
your priority for fourth-year statistics courses**

Statistics Checklist

Terms	Honours F2025	Terms	Joint From Fall 2015	Terms	Minor
FWS	MATH 135, 145	FWS	MATH 135, 145		
FWS	MATH 106, 136, 146	FWS	MATH 106, 136, 146		
FWS	MATH 127, 137, 147	FWS	MATH 127, 137, 147		
FWS	MATH 128, 138, 148	FWS	MATH 128, 138, 148		
FWS	MATH 235, 245	FWS	MATH 235, 245		
FWS	MATH 237, 247	FWS	MATH 237, 247	FWS	MATH 237
FWS	STAT 230, 240	FWS	STAT 230, 240		
FWS	STAT 231, 241	FWS	STAT 231, 241		
FWS	CS 115, 135, 145	FWS	CS 115, 135, 145		
FWS	CS 116, 136, 146	FWS	CS 116, 136, 146		
FWS	Communications Course ¹	FWS	Communications Course ¹		
	One Of...				
	MATH 239, 249				
	AMATH 231				
	AMATH 242 ⁶				
	AMATH 250				
	AMATH 251				
	AMATH 350				
	Statistics		Statistics		Three of...
FWS	STAT 330 ⁹	FWS	STAT 330 ⁹	FWS	STAT 330 ⁹
FWS	STAT 331 ²	FWS	STAT 331 ²	FWS	STAT 331 ²
FWS	STAT 332 ³			FWS	STAT 332 ³
FWS	STAT 333 ⁹	FWS	STAT 333 ⁹	FWS	STAT 333 ⁹
	Additional		Additional		Additional
FWS	STAT 3xx/4xx	FWS	STAT 3xx/4xx	FWS	STAT 3xx/4xx
FWS	STAT 4xx ⁵	FWS	STAT 4xx	FWS	STAT 3xx/4xx
FWS	STAT 4xx ⁹	FWS	STAT 4xx		
FWS	STAT 4xx ⁵				
FWS	MATH 3xx/4xx ⁸				
FWS	MATH 3xx/4xx ⁸				
FWS	MATH 3xx/4xx ⁸				
FWS	MATH 3xx/4xx ⁸				
	Other		Other		
FWS	ENGL 378 ⁴	FWS	ENGL 378 ⁴		
FWS	>=3 Additional math ⁸				
	Thus minimums of...		Thus minimums of...		
	>=10 non math		>=10 non math		
	>=26 math ⁸ courses		>=26 math ⁸ courses		
	>=40 courses		>=40 courses		

Statistics Core 3XX Courses (typical) Requisites



Other Statistics 3XX Courses (typical) Reqs

STAT 231	STAT 337
CS 116/36+STAT 230 (60+), STAT 231	STAT 340
MATH 237, STAT 230 (60+), STAT 231	STAT 341

Which 4th Year Courses Should you Take?

Pre Requisites	STAT 4XX	Offered?	Sample Applications
STAT 331/71+332/72	STAT 430	FS	Everywhere
STAT 330+STAT 331/71	STAT 431	FWS	Everywhere
STAT 333	STAT 433	F	Probability
STAT 332/72	STAT 435	W	Industrial
STAT 431	STAT 436	W	Biostatistics
STAT 431	STAT 437	W	Biostatistics
STAT 431	STAT 438	W	Biostatistics
STAT 341 + STAT 330	STAT 440	WS	AI/Data Science
STAT 341 + STAT 331/71	STAT 441	FW	AI/Data Science
STAT 341 + STAT 331/71	STAT 442	FW	AI/Data Science
STAT 331/71 or SYDE334 (not STAT 321 nor STAT 373)	STAT 443	FWS	Everywhere
STAT 341 + STAT 331/71	STAT 444	WS	AI/Data Science
STAT 330	STAT 450	W	Grad School
STAT 332/72	STAT 454	W	Sampling
*	STAT 464	?	
*	STAT 466/7	?	
*	STAT 468/9	?	

¹Please see ugradcalendar.uwaterloo.ca for a list of courses.

²STAT 331 can be replaced by STAT 371

³STAT 332 can be replaced by STAT 372.

⁴MTHL 300 - Double degree students may use BUS 362W

⁵One of these can be selected from: CS 457, 486, 485

⁶Or CS 371

⁸A MATH course is any course offered in the Faculty (i.e. CS, STAT, ACTSC, ...) except COMM or MTHL

⁹STAT 334 is not an acceptable course for any STAT plan. Please take STAT 330, 333.

**It is the student's responsibility to ensure degree requirements are met.
Students should refer to the Waterloo Undergraduate Calendar for the official rules.**