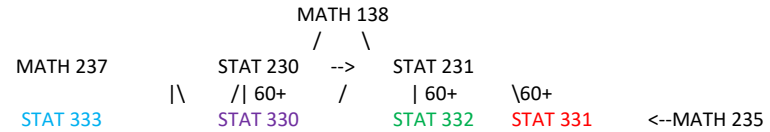


**Students are strongly encouraged to declare their Statistics plan as early as possible.  
Being a declared major is required for enrollment in ENGL 378/MTHL 300 and raises your priority  
for fourth-year statistics courses.**

## Biostatistics 2015 to present

Terms	F22-F25	Terms	F18-F21
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	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 <sup>1</sup>	FWS	Communications Course <sup>1</sup>
	<b>One Of...</b>		<b>One Of...</b>
	MATH 239, 249		MATH 239, 249
	AMATH 231, 242 <sup>6</sup> , 250/1, 350		AMATH 231, 242 <sup>6</sup> , 250
	<b>Statistics</b>		<b>Statistics</b>
FWS	STAT 330 <sup>9</sup>	FWS	STAT 330 <sup>9</sup>
FWS	STAT 331 <sup>2</sup>	FWS	STAT 331 <sup>2</sup>
FWS	STAT 332 <sup>3</sup>	FWS	STAT 332 <sup>3</sup>
FWS	STAT 333 <sup>5</sup>	FWS	STAT 333 <sup>5</sup>
F, S(?)	STAT 337	F, S(?)	STAT 337
FWS	STAT 431	FWS	STAT 431
W	STAT 437	W	STAT 437
W (?)	STAT 438	W (?)	STAT 438
	<b>Additional</b>		<b>Additional</b>
FWS	STAT 3xx/4xx	FWS	STAT 3xx/4xx
FWS	STAT 3xx/4xx	FWS	STAT 3xx/4xx
	<b>Additional</b>		<b>Additional</b>
FWS	MATH 3xx/4xx <sup>8</sup>	FWS	MATH 3xx/4xx <sup>8</sup>
FWS	MATH 3xx/4xx <sup>8</sup>	FWS	MATH 3xx/4xx <sup>8</sup>
	<b>Other</b>		<b>Other</b>
FWS	ENGL 378 <sup>4</sup>	FWS	ENGL 378 <sup>4</sup>
FWS	>=3 Additional math <sup>8</sup>	FWS	>=3 Additional math <sup>8</sup>
	<b>One of...</b>		<b>One of...</b>
FWS	BIOL 239	FWS	BIOL 239
F	HLTH 101	F	HLTH 101
	<b>Thus minimums of...</b>		<b>Thus minimums of...</b>
	>=10 non math		>=10 non math
	>=26 math <sup>8</sup> courses		>=26 math <sup>8</sup> 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	?	

<sup>1</sup>Please see ugradcalendar.uwaterloo.ca for a list of courses.

<sup>2</sup>STAT 331 can be replaced by STAT 371

<sup>3</sup>STAT 332 can be replaced by STAT 372.

<sup>4</sup>MTHL 300

<sup>5</sup>STAT 334 is not an acceptable course for any STAT plan. Please take 330, 333.

<sup>6</sup>Or CS 371 BUT NOT CS 370.

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

STAT 334 is not an acceptable course for any STAT plan.

**It is the student's responsibility to ensure degree requirements are met.**

**Students should refer to the Waterloo Undergraduate Calendar for the official rules.**