

# B1317A Bachelor of Science, Major Physics and Nanotechnology –Semester 2, 2020

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	Semester 1		Semester 2	
2020			BSC100 Building Blocks for Science Students	3pts
			PEN152 Principles of Physics	3pts
			MAS161 Calculus and Matrix Algebra	3pts
			100 level General Elective	3pts
			<b><u>12pts</u></b>	
2021	MSP100 Career Learning: Managing Your Career	3pts	MSP200	3pts
	ENG192 Energy, Mass and Flow	3pts	PEN202 Thermodynamics for Physics and Nanotechnology	3pts
	CHE144 Foundations of Chemistry	3pts	200 level General Elective	3pts
	100 level General elective	3pts	200 level General Elective	3pts
		<b><u>12pts</u></b>		<b><u>12pts</u></b>
2023	PEN231 Modern Physics	3pts	PEN317 Physics of Materials	3pts
	PEN261 Applications of Nanotechnology	3pts	PEN363 Experimental Physics and Nanotechnology	3pts
	MAS220 Mathematical Methods	3pts	300 level General Elective	3pts
	200 level General Elective	3pts	300 level General Elective	3pts
		<b><u>12pts</u></b>		<b><u>12pts</u></b>
2024	PEN332 Electromagnetism	3pts		
	MSP 201	3pts		
	300 level General Elective	3pts		
	300 level General Elective	3pts		
		<b><u>12pts</u></b>		

\* Students should complete CHE140 as a General Elective if they have not successfully achieved at least a final scaled score of 50% or higher in ATAR Chemistry (WACE Chemistry 3A/3B).

\* Students should complete MAS164 as a General Elective if they have not successfully achieved at least a final scaled score of 55% or higher in ATAR Mathematics Methods (WACE Mathematics 3C/3D).

\* Students should complete PEN120 as a General Elective if they have not successfully achieved at least a final scaled score of 60% or higher in ATAR Physics (WACE 3A/3B).

*If you have been granted Advanced Standing for any of the above units, please contact your Academic Chair or a Student Advisor for information on your individual enrolment.*

**Disclaimer:** This course plan is a [sample only](#) and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as per the online [Handbook](#). This course plan will vary depending on your entry date and your academic progression. Students should note that due to unit prerequisites, commencing study in semester 2 may extend the duration of the course.