

**A Summary of  
Academic Unit Requirements for Degree Programmes at NTU  
For Direct Entry Students Admitted in 2019-2020**

Programme	Year of Study	Number of Academic Units (AUs)									
		Major Requirements		General Education Requirement (GER)						UE	Total
				GER Core	GER Prescribed Electives			Any Category (BM, LA, STS)			
		Core	Major PE		BM	LA	STS				
Aerospace Engineering (PI@)	2	41		3						44	
	3	28		6						34	
	4	23	6	5				3		37	
	<b>Total</b>	<b>92</b>	<b>6</b>	<b>14</b>	<b>3</b>			<b>0</b>	<b>115</b>		
Bioengineering (PI@)	2	39		6						45	
	3	27		4						31	
	4	16	9	4				3	6	38	
	<b>Total</b>	<b>82</b>	<b>9</b>	<b>14</b>	<b>3</b>			<b>6</b>	<b>114</b>		
Biological Sciences	2	13	9	7	3		3		3	38	
	3	11	9	1		3			6	30	
	4		24	6				3		33	
	<b>Total</b>	<b>24</b>	<b>42</b>	<b>14</b>	<b>12</b>			<b>9</b>	<b>101</b>		
Chemical & Biomolecular Engineering (PI@)	2	38		6						44	
	3	32	3	7				3		45	
	4	14	6	1					3	24	
	<b>Total</b>	<b>84</b>	<b>9</b>	<b>14</b>	<b>3</b>			<b>3</b>	<b>113</b>		
Civil Engineering (PI@)	2	39		3						42	
	3	31	3	8						42	
	4	18	3	5				3		29	
	<b>Total</b>	<b>88</b>	<b>6</b>	<b>16</b>	<b>3</b>			<b>0</b>	<b>113</b>		
Electrical and Electronic Engineering (PI@)	2	37		6						43	
	3	24	6	6						36	
	4	16	13	2				3	0	34	
	<b>Total</b>	<b>77</b>	<b>19</b>	<b>14</b>	<b>3</b>			<b>0</b>	<b>113</b>		
Environmental Engineering (PI@)	2	34		6						40	
	3	34	6	5						45	
	4	18	3	5				3		29	
	<b>Total</b>	<b>86</b>	<b>9</b>	<b>16</b>	<b>3</b>			<b>0</b>	<b>114</b>		
Information Engineering & Media (PI@)	2	36		4				3	0	43	
	3	27		9						36	
	4	17	13	5						35	
	<b>Total</b>	<b>80</b>	<b>13</b>	<b>18</b>	<b>3</b>			<b>0</b>	<b>114</b>		
Materials Engineering (PI@)	2	35		8				3		46	
	3	26		3						29	
	4	17	12	3					6	38	
	<b>Total</b>	<b>78</b>	<b>12</b>	<b>14</b>	<b>3</b>			<b>6</b>	<b>113</b>		
Mechanical Engineering (Mainstream) (PI@)	2	41		3						44	
	3	29		6						35	
	4	18	9	5				3		35	
	<b>Total</b>	<b>88</b>	<b>9</b>	<b>14</b>	<b>3</b>			<b>0</b>	<b>114</b>		
Mechanical Engineering (Design / Robotics and Mechatronics Stream) (PI@)	2	41		3						44	
	3	29		6						35	
	4	18	9	5				3		35	
	<b>Total</b>	<b>88</b>	<b>9</b>	<b>14</b>	<b>3</b>			<b>0</b>	<b>114</b>		
Sport Science & Management	2	25	6	9					3	43	
	3	3	21	7	3	3			3	40	
	4	16		1			3		6	26	
	<b>Total</b>	<b>44</b>	<b>27</b>	<b>17</b>	<b>9</b>			<b>12</b>	<b>109</b>		

Description

© PI – Professional Internship (for Engineering Programmes). Refer to School's website for AU requirement of other attachment option.  
+ For students without 'A' Level Physics and who need to read PH1012 Physics A (4 AUs).

Description of Abbreviation

BM - Business & Management  
LA - Liberal Arts  
STS - Science, Technology & Society