A

10.3   ITS PROGRAM FROM WHICH STUDENTS WILL ARTICULATE

Bachelor of Science (Actuarial Science)

10.4   CURTIN BACHELOR PROGRAM TO WHICH STUDENTS WILL ARTICULATE

10.4(a) Matriculation Entry Requirements

Table 10.4a

Curtin Bachelor of Science (Actuarial Science) program
Applicants who are enrolled at ITS in a Bachelor of Science (Actuarial Science) program will be deemed eligible for entry to a Curtin Bachelor of Science (Actuarial Science) program based on successful completion of Year 1, Year 2 and Semester 1 of Year 3 of the ITS Bachelor of Science (Actuarial Science) program, plus demonstration of English competency as specified in Table 10.4b.

10.4(b)   English Language Entry Requirements (General Undergraduate)*

Table 10.4b

IELTS Academic (International English Language Testing System)	
Writing and Speaking	6.0
Reading and Listening	6.0
Overall	6.0

*NOTE: Articulation Students are responsible for meeting Australian Department of Home Affairs English Language requirements for visa entry to Australia, which may, from time to time, be different to the level of English Language proficiency required for entry to a Curtin degree program as specified in Table 10.4b and which may vary from time to time.

10.4(c) Curtin Bachelor Science (Actuarial Science) Program Outline

Table 10.4c

	Curtin UDC Code	Curtin Unit	ITS Unit Codes	ITS Unit	Curtin Credits
To be completed at ITS (Exempted at Curtin)	MATH1015	Linear Algebra 1	SM234101 SA234105	Calculus I Elementary Linear Algebra	25
	ACTL1002	Introduction to Actuarial Science	SA234104	Introduction to Actuarial Science	25
	STAT1005	Introduction to Probability and Data Analysis	SA234102 SA234202 SA234201	Statistical Method Probability Theory Actuarial Computation	25
	ECON1001	Actuarial Economics	SA234103	Economics	25
	ACTL1003	Introductory Actuarial Practices	SA234101	Computer Programing	25
	STAT1006	Regression and Nonparametric Inference	SA234301 SA234304	Linear Model Nonparametric Method	25
	MATH1016	Calculus 1	SM234201 SA234205	Calculus II Differential Equation	25
	STAT3005	Stochastic Processes	SA234403	Actuarial Stochastic Processes	25
	STAT2001	Mathematical Statistics	SA234302	Mathematical Statistics I	25
	MATH2004	Theory of Interest	SA234306	Financial Mathematics	25
	FNCE2000	Introduction to Financial Principles	SA234204	Investment and Portfolio Management	25
	FNCE3000	Corporate Finance	SA234303	Corporate Finance	25
				TOTAL CREDITS EXEMPTED	**300**

Units to be Completed at Curtin University			
Curtin Campus	**UDC CODE**	**Curtin Units**	**Credits**
YEAR 2 SEM 2	FNCE2003	Business Analysis for Investment	25
	STAT3006	Financial Engineering 1	25
	STAT3001	Statistical Modelling	25
	NSPC1003	Integrating Indigenous Science & STEM	25
YEAR 3 SEM 1	MATH3009	Contingencies 1	25
	STAT3010	Financial Engineering 2	25
	MATH3008	Survival Models & Analysis	25
	MATH3004	Industrial Project	25
YEAR 3 SEM 2	STAT2004	Analytics for Observational Data	25
	MATH3010	Contingencies 2	25
	STAT3008	Provisioning Techniques	25
	STAT3009	Risk Analysis	25
		TOTAL CREDITS REQUIRED TO GRADUATE FROM CURTIN	**300**

B

11.3 ITS PROGRAM FROM WHICH STUDENTS WILL ARTICULATE

Bachelor of Statistics

11.4 CURTIN BACHELOR PROGRAM TO WHICH STUDENTS WILL ARTICULATE

11.4(a) Matriculation Entry Requirements

Table 11.4a

Curtin Bachelor of Science (Actuarial and Applied Statistics) program
Applicants who are enrolled at ITS in a Bachelor of Statistics program will be deemed eligible for entry to a Curtin Bachelor of Science (Actuarial and Applied Statistics) program based on successful completion of Year 1, Year 2 and Semester 1 of Year 3 of the ITS Bachelor of Statistics program, plus demonstration of English competency as specified in Table 11.4b.

11.4(b) English Language Entry Requirements (General Undergraduate)*

Table 11.4b

IELTS Academic (International English Language Testing System)	
Writing and Speaking	6.0
Reading and Listening	6.0
Overall	6.0

NOTE: Articulation Students are responsible for meeting Australian Department of Home Affairs English Language requirements for visa entry to Australia, which may, from time to time, be different to the level of English Language proficiency required for entry to a Curtin degree program as specified in Table 11.4b and which may vary from time to time.

11.4(c)Curtin Bachelor Science (Actuarial and Applied Statistics) Program Outline

Table 11.4c

	Curtin UDC Code	Curtin Unit	ITS Unit Codes	ITS Unit	Curtin Credits
To be completed at ITS (Exempted at Curtin)	MATH1015	Linear Algebra 1	SM234101 SS234102	Calculus 1 (3 credits) Matrix (4 credits)	25
	ACTL1002	Introduction to Actuarial Science	SS234635	Actuarial	25
	STAT1005	Introduction to Probability and Data Analysis	SS234103 SS234207 SS234206	Introduction to Statistical Method (3 credits) Introduction to Probability Theory (4 credits) Statistical Computation (4 credits)	25
		Select ELECTIVE unit	SS234204 SS234205	Choose one of: Numerical analysis (3 credits) Database (3 credits)	25
	ACTL1003	Introductory Actuarial Practices	SS234101	Computer Programing	25
	STAT1006	Regression and Nonparametric Inference	SS234308 SS234417	Regression Analysis (3 credits) Nonparametric Statistics (3 credits)	25
	MATH1016	Calculus 1	SM234201 SS234312	Calculus II (3 credits) Advanced Mathematics (4 credits)	25
		Select ELECTIVE unit	SS234526	Statistical Machine Learning	25
	STAT2001	Mathematical Statistics	SS234311	Mathematical Statistics (5 credits)	25
	MATH2004	Theory of Interest	SS234632	Financial Mathematics	25
	FNCE2000	Introduction to Financial Principles	SS234634 SS234747	Financial Analysis (3 credits) Analysis of Risk and Portfolio Optimization (3 credits)	25
		Select OPTION unit	SS234746	Operations Research	25
				TOTAL CREDITS EXEMPTED	**300**

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Units to be Completed at Curtin University					

Curtin Campus	UDC CODE	Curtin Units	Credits
YEAR 2 SEM 2	NPSC1003	Integrating Indigenous Science and STEM	25
	FNCE2003	Business Analysis for Investment	25
	STAT3001	Statistical Modelling	25
	STAT3005	Stochastic Processes	25
YEAR 3 SEM 1	STAT2003	Analytics for Experimental & Simulated Data	25
	STAT3000	Statistical Inference	25
	MATH3008	Survival Models & Analysis	25
	MATH3004	Industrial Project	25
YEAR 3 SEM 2	STAT2004	Analytics for Observational Data	25
	ECON1001	Actuarial Economics	25
	STAT3006	Financial Engineering 1	25
	FNCE3000	Corporate Finance	25
		TOTAL CREDITS REQUIRED TO GRADUATE FROM CURTIN	**300**