

## BCA curriculum 2021

Required units of study for each award course (unless an exemption or credit has been granted)

Semester	BCA Code	Unit of study	Co/Prerequisites	Grad Cert	Grad Dip	Masters
1 & 2	EPI	□ Epidemiology	-	✓	✓	✓
1	MBB	Mathematical Background for Biostatistics	-		✓	✓
1 & 2	PDT	Probability and Distribution Theory	MBB		✓	✓
1	HIS	Health Indicators & Health Surveys	*MBB			
1 & 2	DMC	Data Management & Statistical Computing	-		✓	✓
1 & 2	PSI	Principles of Statistical Inference	MBB, PDT		✓	✓
1	CLB	Clinical Biostatistics	EPI, MBB, PDT, PSI, DES, *LMR			
2	DES	Design of Randomised Controlled Trials	EPI, MBB		✓	✓
1 & 2	LMR	❖ Linear Models	EPI, MBB, PDT, *PSI		✓	✓
2	CDA	Categorical Data & Generalised Linear Models	EPI, MBB, PDT, PSI, *LMR		✓	✓
1	SVA	Survival Analysis	EPI, MBB, PDT, PSI, LMR			■✓
1&or 2	WPP	⊛ Biostatistics Research/Practical Project	minimum of 4 units, including LMR & DMC			✓
1	LCD	Longitudinal & Correlated Data	EPI, MBB, PDT, PSI, LMR, CDA			
2	CSI	Causal Inference	EPI, MBB, PDT, ❖ LMR			
2	MLB	Machine Learning for Biostatistics	LMR, *CDA			
2	SGX	 Statistical Genomics	MBB, PDT, DMC, PSI, LMR			
2	BAY	 Bayesian Statistical Methods	EPI, MBB, PDT, PSI, LMR, CDA			

✓ **unit is compulsory** (see ■ note for SVA)

□ **EPI:** See pages 8 and 10 for notes about Epidemiology.

\* **co-requisite**, may be taken before or concurrently


◆ **LMR:** Program coordinator approval is required for taking LMR & EPI simultaneously.

See note 6, page 8 for information about studying LMR.

■ SVA is compulsory for the Masters, except at the University of Queensland, where it remains an elective. (UQ students are required to do 1 of SVA, LCD, BIF, BAY)

⊛ **WPP:** Students wishing to complete the Masters Degree must discuss options for this unit with the BCA program coordinator at their home university. See note 7, page 8, and page 19 for important information about preparing for WPP.

❖ Prerequisites for CSI are EPI, MBB, PDT, and LMR **or** a multivariable regression unit of study from a MPH course.

**SGX and BAY are delivered in alternate years:**  BAY will be delivered in (semester 2) 2020