

# MATH 1036 MATHEMATICS FOR ENGINEERS PRELIMINARY (UG CERT)

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**Credit Points** 10

**Description** This unit covers the fundamental mathematical concepts and techniques necessary for the study of Engineering. Topics include Arithmetic and Algebra, Trigonometry, Functions, and Introductory Differential and Integral calculus.

**School** Computer, Data & Math Sciences

**Student Contribution Band** HECS Band 1 10cp

Check your HECS Band contribution amount via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 1 subject

**Equivalent Subjects** MATH 1021 Mathematics for Engineers Preliminary  
MATH 1023 Mathematics for Engineers Preliminary (WSTC)  
MATH 1022 Mathematics for Engineers Preliminary (WSTC AssocD)

**Incompatible Subjects** LGYA 4425 Mathematical Methods A  
MATH 1011 Fundamentals of Mathematics  
MATH 1016 Mathematics for Engineers 1  
MATH 1018 Mathematics for Engineers 1 (WSTC)

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Item	Length	Percent	Threshold	Individual/ Group Task
Basic algebra	30 minutes working time	10	N	Individual
Trigonometric concepts and functions	40 minutes working time	15	N	Individual
Logarithmic and exponential functions	40 minutes working time	15	N	Individual
Differential calculus	45 minutes working time	20	N	Individual
Basic integration and Case Study Analysis	90 minutes working time	40	N	Individual

Teaching Periods