

## Summary of Exam Grade Boundaries and Outcomes

**Unit 1** – Structures, Trends, Chemical Reactions, Quantitative Chemistry and Analysis

For written Unit 1, there are 60 raw marks available at Foundation Tier and 80 at Higher Tier.

The **maximum** uniform mark for Unit 1 is 140. The **minimum** uniform mark required for each grade is as follows:

A	B	C*	C	D	E	F	G
112	103	94	84	70	56	42	28

Candidates entering for Foundation Tier can achieve a maximum uniform mark score of 102 in this unit.

**Unit 2** – Further Chemical Reactions, Rates and Equilibrium, Calculations and Organic Chemistry

For written Unit 2, there are 80 raw marks available at Foundation Tier and 100 at Higher tier.

The **maximum** uniform mark for Unit 2 is 160. The **minimum** uniform mark required for each grade is as follows:

A	B	C*	C	D	E	F	G
128	117	108	96	80	64	48	32

Candidates entering for Foundation Tier can achieve a maximum uniform mark score of 116 in this unit.

**Unit 3** – Practical Skills

For practical and written Unit 3, there are 30 raw marks available for Practical Booklet A and 70 raw marks available for Practical Booklet B for both Foundation and Higher Tiers.

The **maximum** uniform mark for Unit 3 is 100. The **minimum** uniform mark required for each grade is as follows:

A	B	C*	C	D	E	F	G
80	73	67	60	50	40	30	20

Candidates entering for Foundation Tier can achieve a maximum uniform mark score of 72 in this unit.

Qualification results

The **maximum** uniform mark for the final award is 400. The **minimum** uniform mark required for each final grade is as follows:

A*	A	B	C*	C	D	E	F	G
369	320	292	268	240	200	160	120	80

Please note:	GCM1: Structures, Trends, Chemical Reactions, Quantitative Chemistry and Analysis
	GCM2: Further Chemical Reactions, Rates and Equilibrium, Calculations and Organic Chemistry
	GCM3: Practical Skills
	The <i>Uniform Mark boundaries</i> will not change for the lifetime of this specification whereas the <i>Raw Mark boundaries</i> will be set independently in each examination series.
	If you are planning to use the Raw Mark boundaries to estimate future performance and grades they must be used with caution as they are prone to change each series.
	The A* grade is not awarded for individual units - it is only awarded at subject level.
	A* is now a derived grade set independently in each examination series. If you are planning to use the A* boundary from this series to estimate future A* boundaries it must be used with caution as it is prone to change.

**Unit 1** – Structures, Trends, Chemical Reactions, Quantitative Chemistry and Analysis

## Foundation Tier

GCM11		
Grade	Raw Mark	UMS
MAX	60	102
C*	23	94
C	19	84
D	15	70
E	11	56
F	8	42
G	5	28

## Higher Tier

GCM12		
Grade	Raw Mark	UMS
MAX	80	140
A	45	112
B	33	103
C*	22	94
C	11	84
D	2	70
E	1	63

**Unit 2** – Further Chemical Reactions, Rates and Equilibrium, Calculations and Organic Chemistry

## Foundation Tier

GCM21		
Grade	Raw Mark	UMS
MAX	80	116
C*	39	108
C	33	96
D	28	80
E	23	64
F	19	48
G	15	32

## Higher Tier

GCM22		
Grade	Raw Mark	UMS
MAX	100	160
A	59	128
B	46	117
C*	33	108
C	20	96
D	7	80
E	1	72

**Unit 3** – Practical Skills

## Foundation Tier

GCM31 & GCM32		
Grade	Raw Mark	UMS
MAX	100	72
C*	27	67
C	25	60
D	23	50
E	21	40
F	20	30
G	19	20

## Higher Tier

GCM33 & GCM34		
Grade	Raw Mark	UMS
MAX	100	100
A	50	80
B	41	73
C*	32	67
C	23	60
D	14	50
E	9	45

**Overall Subject Level Outcomes:** cumulative percentage of candidates obtaining each grade and total entry shown

Grade	Cum %
A*	23.3
A	60.0
B	77.6
C*	89.6
C	96.8
D	99.2
E	99.7
F	99.8
G	99.8
U	100
<b>Total</b>	<b>3049</b>