



The Grade Calculator



REQUIREMENTS

- ✓ Write an application that calculates the end grade for a learner who has completed 18 units on the BTEC National Diploma
- ✓ The application must allow the user to enter their grade (pass, merit, distinction) for each of the 18 units below, before displaying their calculated grade
- ✓ The application must also calculate the number of UCAS points earned by the user's overall grade
- ✓ All of the information needed is displayed below in the appropriate tables:

BTEC National Units

Year 1		
Unit	Unit Name	Credits
Unit 1	Communication and Employability	10
Unit 2	Computer Systems	10
Unit 3	Information Systems	10
Unit 6	Software Design and Development	10
Unit 9	Computer Networks	10
Unit 11	Systems Analysis and Design	10
Unit 16	Procedural Programming	10
Unit 18	Database Design	10
Unit 30	Digital Graphics	10

Year 2		
Unit	Unit Name	Credits
Unit 5	Managing Networks	10
Unit 10	Communication Technologies	10
Unit 12	IT Technical Support	10
Unit 13	IT Systems Troubleshooting and Repair	10
Unit 14	Event-Driven Programming	10
Unit 20	Client-Side Customisation of Web Pages	10
Unit 23	Human—Computer Interaction	10
Unit 27	Web Server Scripting	10
Unit 31	Computer Animations	10

BTEC National Points Per Credit Awarded

	Pass	Merit	Distinction
Points Per Credit	7	8	9
Points Per Typical 10 Credits	70	80	90

BTEC National Overall Grade (Based on Points Earned):

BTEC Points	Grade
1260–1299	PPP
1300–1339	MPP
1340–1379	MMP
1380–1419	MMM
1420–1459	DMM
1460–1499	DDM
1500–1529	DDD
1530–1559	D*DD
1560–1589	D*D*D
1590 and above	D*D*D*

UCAS Tariff Points Awarded for Extended Diploma (Based on BTEC National Overall Grade):

Grade	UCAS Points
D*D*D*	420
D*D*D	400
D*DD	380
DDD	360
DDM	320
DMM	280
MMM	240
MMP	200
MPP	160
PPP	120