SHORTCUTS

Introductory and Intermediatory Skills to 3D-Moddeling

With Specialization in Blender and Fusion 360 for industry based design and manufacturing.

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(Keyboard Terms Introduction)

As you are learning fusion 360, the following shortcuts should aid your learning as it will help you:

(1) Quickly execute operations in Fusion 360 allowing you to work more effectively and efficiently.

Some important points to note are:

(1) Shortcuts are sorted by where they are used in Fusion 360, to obtain the list of shortcuts required by this course please refer to the end of Chapter 4, Chapter 6, Chapter 8, and Chapter 10.
(2) While this is by no means a comprehensive list of keyboard shortcuts, it should provide the main shortcuts that are commonly used.
(3) You do not need to know all the given shortcuts, but those with a star symbol are highly recommended to learn as they are:
    a. Commonly used
    b. Provide the greatest increase in work effectiveness
    c. Standardized across industries
(4) Shortcuts are provided for the Windows OS version of Fusion 360 and the Mac OS version of Fusion 360.

(Table of contents)

(KS.01) → Design Workspace

Command	Windows OS	Mac OS
Appearance	A	A
As-built Joint	Shift + J	Shift + J
Compute All	CTRL + B	CMD + B
Delete	Del	Del
Extrude	E	E
Freeform Selection	2	2
Hole	H	H
Joint	J	J
Measure	I	I
Model Fillet	F	F
Design Shortcuts	S	S
Move	M	M
Paint Selection	3	3
Press Pull	Q	Q
Scripts and Add-ins	Shift + S	Shift + S
Toggle Component Color Cycling	Shift + N	Shift + N
Toggle Visibility	V	V
Window Selection	1	1

(KS.02) → Sketch Environment

Command	Windows OS	Mac OS
2-point Rectangle	R	R
Center Diameter Circle	C	C
Line	L	L
Sketch Shortcuts	S	S
Normal / Construction	X	X
Offset	O	O
Project	P	P
Sketch Dimension	D	D
Trim	T	T

(KS.03) → Canvas Selection

Command	Windows OS	Mac OS
Copy	CTRL + C	CMD + C
Cut	CTRL + X	CMD + X
Orbit	Shift + Hold Middle Mouse	Shift + Hold Middle Mouse
Orbit around point	Shift + Click then Hold Middle Mouse	Shift + Click then Hold Middle Mouse
Pan	Hold Middle Mouse	Hold Middle Mouse
Paste	CTRL + V	CMD + V
Redo	CTRL + Y	CMD + Y
Undo	CTRL + Z	CMD + Z
Zoom	Roll Middle Mouse	Roll Middle Mouse

(KS.04) → Form Environment (T-splines)

Command	Windows OS	Mac OS
Grow selection	Shift + Up Arrow	Shift + Up Arrow
Invert selection	Alt + N	CMD + N
Loop grow selection	Alt + O	CMD + O
Loop selection	Alt + P	CTRL + P
Next U	Alt + Right Arrow	CTRL + CMD + Right Arrow
Next V	Alt + Up Arrow	CTRL + CMD + Up Arrow
Previous U	Alt + Left Arrow	CTRL + CMD + Left Arrow
Previous V	Alt + Down Arrow	CTRL + CMD + Down Arrow
Range selection	Alt + M	CMD + M
Ring grow selection	Alt + K	CTRL + K
Ring selection	Alt + L	CTRL + L
Ring shrink selection	Alt + J	CTRL + J
Select edge ring	Double-click an edge	Double-click an edge
Select face ring	Select two faces then double-click a third face	Select two faces then double-click a third face
Shrink selection	Shift + Down Arrow	Shift + Down Arrow
Toggle box mode	Alt + 1	CTRL + 1
Toggle control frame mode	Alt + 2	CTRL + 2

(KS.04) → Form Environment (T-splines) (Continued)

Command	Windows OS	Mac OS
Toggle smooth mode	Alt + 3	CTRL + 3
Add geometry	Alt + Drag	Option + Drag
Add geometry and keep creases	Alt + Control + Drag	Option + Command + Drag

(KS.05) → Generative Design Workspace

Command	Windows OS	Mac OS
New Generative Study	N	N
Study Settings	E	E
Structural Constraints	C	C
Structural Loads	L	L

(KS.06) → Render Workspace

Command	Windows OS	Mac OS
Appearance	A	A

(KS.07) → Animation Workspace

Command	Windows OS	Mac OS
Auto Explode All Levels	U	U
Manual Explode	E	E
Publish Video	P	P
Transform Components	M	M
View	C	C

(KS.08) → Simulation Workspace

Command	Windows OS	Mac OS
DOF View	CTRL + D	CMD + D
Force	F	F
Groups View	CTRL + G	CMD + G
Model View	CTRL + L	CMD + L
New Simulation Study	N	N
Results View	CTRL + R	CMD + R
Settings	E	E
Structural Constraint	C	C
Structural Loads	L	L

(KS.09) → Manufacture Workspace

Command	Windows OS	Mac OS
Duplicate	CTRL + D	CMD + D
Generate Toolpath	CTRL + G	CMD + G
Scripts and Add-Ins	Shift + S	Shift + S
Show Log	CTRL + L	CMD + L

(KS.10) → Drawing Workspace

Command	Windows OS	Mac OS
Balloon	B	B
Center Mark	C	C
Delete	Delete	Delete
Dimension	D	D
Move	M	M
Projected View	P	P
Text	T	T

(KS.11) → Electronics Workspace

Command	Windows OS	Mac OS
Activate command line	/	/
Add Hold	H	H
Add Part	P	P
Add Text	T	T
Bus	B	B
Change	C	C
Copy	CTRL + C	CMD + C
Delete	Delete (Backspace)	Delete (Backspace)
Dimension	D	D
DRC	CTRL + D	CMD + D
ERC	CTRL + E	CMD + E
Errors	E	E
Grid	G	G
Label	Shift + L	Shift + L
Manual Route	R	R
Move	R	R
Name	N	N
Net	R	R
New Device	Alt + CTRL + 3	Option + CMD + 3

(KS.11) → Electronics Workspace (Continued)

Command	Windows OS	Mac OS
New Footprint	Alt + CTRL + 2	Option + CMD + 2
New Symbol	Alt + CTRL + 1	Option + CMD + 1
Package 3D Create	Alt + CTRL + 4	Option + CMD + 4
Pad	O	O
Pad Array	Shift + O	Shift + O
Pin	P	P
Pin Array	Shift + P	Shift + P
Redo	CTRL + Y	CMD + Shift + Z
Ripup	U	U
Ripup All Polygons	Alt + Shift + P	Option + Shift + P
Route Diff Pair	CTRL + R	CMD + R
Route Multi	Shift + R	Shift + R
Run Script	Alt + Shift + S	Option + Shift + S
Run ULP	Shift + U	Shift + U
SMD	P	P
SMD Array	Shift + P	Shift + P
Stop	ESC	ESC
Undo	CTRL + Z	CMD + Z
Value	V	V

(KS.11) → Electronics Workspace (Continued)

Command	Windows OS	Mac OS
Via	Alt + V	Option + V
Zoom to Fit	F6	F6
Switch Sch Doc	CTRL + 1	CMD + 1
Switch PCB Doc	CTRL + 2	CMD + 2
PCB 3D View	CTRL + 3	CMD + 3
Shortcut Dialog	S	S

(KS.12) → System

Command	Windows OS	Mac OS
Recovery Save	CTRL + Shift + S	CMD + Shift + S
Save Version	CTRL + S	CMD + S

(KS.13) → General Shortcuts

Command	Windows OS	Mac OS
Undo	Ctrl + Z	CMD + Z
Redo	Ctrl + Y	CMD + Y
Copy	Ctrl + C	CMD + C
Paste	Ctrl + V	CMD + V
Cut	Ctrl + X	CMD + X