



HMC CIS Quick Guide

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Some Conventions

C-x means hold down the Control key and press x. C-x i means hold down the Control key and press x. Then press i (after letting go of the Control key).

M-x means hold down the Meta key and press x, but since most Macintosh and PC keyboards do not have a Meta key you should press (don't hold down) the Escape key and then press x.

The current location of the cursor is called the *point*. The point is located at a particular character, rather than between two characters like in most word processing programs. Emacs also keeps track of another position in the file, called the *mark*. The area between point and mark is called the *region*. Many commands can be executed on the current character (the one at point), word, line, paragraph, or region.

When you start editing a file, Emacs will save the original version with the same name followed by a tilde (e.g. filename~). Emacs will also automatically save (*checkpoint*) the file you are editing while you are working. If you exit emacs without saving your file a file named filename# is created with the latest version of the file.

Starting & Exiting Emacs

Start emacs at the command line	emacs
Exit emacs	C-x C-c
Suspend emacs	C-z
Resume emacs	fg

Files

Read a file into emacs	C-x C-f
Save a file to disk	C-x C-s
Insert contents of a file into this buffer	C-x i
Replace this file with the one you really want	C-x C-v

Whoops!

Abort partially typed or executing command	C-g
Undo!	C-x u
Redraw garbaged screen	C-l
Recover a file lost in a system crash	M-x recover-file
Restore a buffer to its original contents	M-x revert-buffer

Getting Help

Help system	M-x help
Help tutorial	M-x help-with-tutorial
Get rid of help window	C-x l
Show commands matching a string	M-x apropos

Marking Regions

To create a region:

Mark beginning of region	C-SPACE
Move cursor to end of region and execute emacs command.	

Cursor Motion

Entity to move over	Backward	Forward
character	C-b	C-f
word	M-b	M-f
line	C-p	C-n

Go to beginning of line		C-a
Go to end of line		C-e
Go to beginning of buffer	M-< (shift+.)	
Go to end of buffer	M-> (shift+.)	
Go to line:	M-x goto-line	

Screen Motion

Scroll to next screen		C-v
Scroll to previous screen		M-v
Scroll left	C-x < (shift+.)	
Scroll right	C-x > (shift+.)	

Formatting

Fill (wrap) paragraph		M-q
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Killing & Deleting

Delete character under cursor		C-d
Delete character left of cursor	DEL or DELETE	
Kill to end of line		C-k
Kill region		C-w

Yank back last thing killed		C-y
Replace last yank with previous kill		M-y

Incremental Search

Search forward	C-s
Search backward	C-r
Exit incremental search	ESC
Undo effect of last character	DEL
Abort current search	C-g

Query Replace

Interactively replace a text string	M-%
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Valid responses in query replace mode are:

Replace this one, go on to next	SPACE
Replace this one, don't move	,
Skip to next one without replacing	DEL
Replace all remaining matches	!
Back up to previous match	^
Exit query replace	ESC

Transposing

Transpose characters	C-t
Transpose words	M-t
Transpose lines	C-x C-t

Case Change

Uppercase word	M-u
Lowercase word	M-l
Capitalize word	M-c

Uppercase region	C-x C-u
Lowercase region	C-x C-l
Capitalize region	M-x capitalize-region

Spell Check

Check spelling of current word	M-\$
Check spelling of words in region	
	M-x spell-region
Check spelling of entire buffer	
	M-x spell-buffer

Multiple Windows

Split window into 2 vertically	C-x 2	Split
window into 2 horizontally	C-x 3	
Switch cursor to another window	C-x o	
Delete this window	C-x 0	
Delete all other windows	C-x 1	

Buffers

Select another buffer	C-x b
List all buffers	C-x C-b
Kill a buffer	C-x k

Keyboard Macros

Start defining a keyboard macro	C-x (
End keyboard macro definition	C-x)
Execute last-defined keyboard macro	C-x e
Append to last keyboard macro	C-u C-x (
Name last keyboard macro	M-x name-last-kbd-macro
Execute named macro	M-x macroname

Keyboard macros are not automatically saved when you exit emacs. To save a keyboard macro:
C-x C-f .emacs
M-x insert-kbd-macro RETURN
macroname RETURN
C-x C-s