

Nassau Community College
Electronic Engineering Technology
ASCII (8-bit binary) Conversion Chart

ASCII	CHAR	ASCII	CHAR	ASCII	CHAR	ASCII	CHAR
00000000	NULL	00100000	(space)	01000000	@	01100000	`
00000001	BREAK	00100001	!	01000001	A	01100001	a
00000010	STX- start text	00100010	"	01000010	B	01100010	b
00000011	ETX-end text	00100011	#	01000011	C	01100011	c
00000100	EOT-end of xmission	00100100	\$	01000100	D	01100100	d
00000101	ENQuiry	00100101	%	01000101	E	01100101	e
00000110	ACKnowledge	00100110	&	01000110	F	01100110	f
00000111	BELL	00100111	'	01000111	G	01100111	g
00001000	BCKSPace	00101000	(	01001000	H	01101000	h
00001001	HT-Horiz.Tab	00101001	)	01001001	I	01101001	i
00001010	LF-LineFeed	00101010	*	01001010	J	01101010	j
00001011	VT – Vert. Tab	00101011	+	01001011	K	01101011	k
00001100	FF- Form Feed	00101100	,	01001100	L	01101100	l
00001101	CR- Car.Ret. (Enter)	00101101	-	01001101	M	01101101	m
00001110	Cursor ON	00101110	.	01001110	N	01101110	n
00001111	Cursor OFF	00101111	/	01001111	O	01101111	o
00010000	DLE	00110000	0	01010000	P	01110000	p
00010001	DC1	00110001	1	01010001	Q	01110001	q
00010010	DC2	00110010	2	01010010	R	01110010	r
00010011	DC3	00110011	3	01010011	S	01110011	s
00010100	DC4	00110100	4	01010100	T	01110100	t
00010101	NAK	00110101	5	01010101	U	01110101	u
00010110	SYN	00110110	6	01010110	V	01110110	v
00010111	ETB	00110111	7	01010111	W	01110111	w
00011000	CAN	00111000	8	01011000	X	01111000	x
00011001	EM	00111001	9	01011001	Y	01111001	y
00011010	SUB	00111010	:	01011010	Z	01111010	z
00011011	ESCape	00111011	;	01011011	[	01111011	{
00011100	FS- file sep.	00111100	<	01011100	\	01111100	|
00011101	GS- group sep.	00111101	=	01011101	]	01111101	}
00011110	RS- record sep.	00111110	>	01011110	^	01111110	~
00011111	US- unit sep.	00111111	?	01011111	_	01111111	(delete)

Nassau Community College
Electronic Engineering Technology
ASCII (decimal and Hex)

Decimal	Hex	CHAR	Decimal	Hex	CHAR	Decimal	Hex	CHAR	Decimal	Hex	CHAR
0	00	NULL	32	20	(space)	64	40	@	96	60	`
1	01	BREAK	33	21	!	65	41	A	97	61	a
2	02	STX- start text	34	22	"	66	42	B	98	62	b
3	03	ETX-end text	35	23	#	67	43	C	99	63	c
4	04	EOT-end of xmission	36	24	\$	68	44	D	100	64	d
5	05	ENQuiry	37	25	%	69	45	E	101	65	e
6	06	ACKnowledge	38	26	&	70	46	F	102	66	f
7	07	BELL	39	27	'	71	47	G	103	67	g
8	08	BCKSPace	40	28	(	72	48	H	104	68	h
9	09	HT-Horiz.Tab	41	29	)	73	49	I	105	69	i
10	0A	LF-LineFeed	42	2A	*	74	4A	J	106	6A	j
11	0B	VT – Vert. Tab	43	2B	+	75	4B	K	107	6B	k
12	0C	FF- Form Feed	44	2C	,	76	4C	L	108	6C	l
13	0D	CR- Car.Ret. (Enter)	45	2D	-	77	4D	M	109	6D	m
14	0E	Cursor ON	46	2E	.	78	4E	N	110	6E	n
15	0F	Cursor OFF	47	2F	/	79	4F	O	111	6F	o
16	10	DLE	48	30	0	80	50	P	112	70	p
17	11	DC1	49	31	1	81	51	Q	113	71	q
18	12	DC2	50	32	2	82	52	R	114	72	r
19	13	DC3	51	33	3	83	53	S	115	73	s
20	14	DC4	52	34	4	84	54	T	116	74	t
21	15	NAK	53	35	5	85	55	U	117	75	u
22	16	SYN	54	36	6	86	56	V	118	76	v
23	17	ETB	55	37	7	87	57	W	119	77	w
24	18	CAN	56	38	8	88	58	X	120	78	x
25	19	EM	57	39	9	89	59	Y	121	79	y
26	1A	SUB	58	3A	:	90	5A	Z	122	7A	z
27	1B	ESCape	59	3B	;	91	5B	[	123	7B	{
28	1C	FS- file sep.	60	3C	<	92	5C	\	124	7C	|
29	1D	GS- group sep.	61	3D	=	93	5D	]	125	7D	}
30	1E	RS- record sep.	62	3E	>	94	5E	^	126	7E	~
31	1F	US- unit sep.	63	3F	?	95	5F	_	127	7F	(delete)

Nassau Community College
Electronic Engineering Technology
EXTENDED (8 bits, MSB=1) ASCII (decimal and Hex)

Decimal	Hex	CHAR	Decimal	Hex	CHAR	Decimal	Hex	CHAR	Decimal	Hex	CHAR
128	80	€	160	A0		192	C0	À	224	E0	à
129	81	□	161	A1	ı	193	C1	Á	225	E1	á
130	82	,	162	A2	ø	194	C2	Â	226	E2	â
131	83	f	163	A3	£	195	C3	Ã	227	E3	ã
132	84	„	164	A4	¤	196	C4	Ä	228	E4	ä
133	85	...	165	A5	¥	197	C5	Å	229	E5	å
134	86	†	166	A6	ı	198	C6	Æ	230	E6	æ
135	87	‡	167	A7	§	199	C7	Ç	231	E7	ç
136	88	^	168	A8	¨	200	C8	È	232	E8	è
137	89	%	169	A9	©	201	C9	É	233	E9	é
138	8A	Š	170	AA	ª	202	CA	Ê	234	EA	ê
139	8B	‹	171	AB	«	203	CB	Ë	235	EB	ë
140	8C	Œ	172	AC	¬	204	CC	Ì	236	EC	ì
141	8D	□	173	AD	-	205	CD	Í	237	ED	í
142	8E	Ž	174	AE	®	206	CE	Î	238	EE	î
143	8F	□	175	AF	¯	207	CF	Ï	239	EF	ï
144	90	□	176	B0	°	208	D0	Ð	240	F0	ð
145	91	‘	177	B1	±	209	D1	Ñ	241	F1	ñ
146	92	’	178	B2	²	210	D2	Ò	242	F2	ò
147	93	“	179	B3	³	211	D3	Ó	243	F3	ó
148	94	”	180	B4	´	212	D4	Ô	244	F4	ô
149	95	•	181	B5	µ	213	D5	Õ	245	F5	õ
150	96	—	182	B6	¶	214	D6	Ö	246	F6	ö
151	97	—	183	B7	·	215	D7	×	247	F7	÷
152	98	~	184	B8	,	216	D8	Ø	248	F8	ø
153	99	™	185	B9	¹	217	D9	Ù	249	F9	ù
154	9A	š	186	BA	º	218	DA	Ú	250	FA	ú
155	9B	›	187	BB	»	219	DB	Û	251	FB	û
156	9C	œ	188	BC	¼	220	DC	Ü	252	FC	ü
157	9D	□	189	BD	½	221	DD	Ý	253	FD	ý
158	9E	ž	190	BE	¾	222	DE	Þ	254	FE	þ
159	9F	ÿ	191	BF	¿	223	DF	ß	255	FF	ÿ

0	32	64	96
1	33	65	97
2	34	66	98
3	35	67	99
4	36	68	100
5	37	69	101
6	38	70	102
7	39	71	103
8	40	72	104
9	41	73	105
10	42	74	106
11	43	75	107
12	44	76	108
13	45	77	109
14	46	78	110
15	47	79	111
16	48	80	112
17	49	81	113
18	50	82	114
19	51	83	115
20	52	84	116
21	53	85	117
22	54	86	118
23	55	87	119
24	56	88	120
25	57	89	121
26	58	90	122
27	59	91	123
28	60	92	124
29	61	93	125
30	62	94	126
31	63	95	127