Intensity of electric field	$\vec{E}_2 = K\frac{q_1}{r_{12}^2}\vec{u}_{12}$ $\quad$ $\vec{E}_2 = K\frac{q_1}{r_{12}^3}\vec{r}_{12}$
Force between two charges	Coulomb's Law: $\vec{F}_2 = K\frac{q_1\,q_2}{r_{12}^2}\vec{u}_{12}$ $\quad$ $\vec{F}_2 = K\frac{q_1\,q_2}{r_{12}^3}\vec{r}_{12}$
Force for a charge in electric field	$\vec{F} = q\cdot\vec{E}$
Electrostatic potential	$V_E = K\frac{q}{r}$
Potential energy	$E_P = K\frac{q_1\,q_2}{r}$ $E_P = q\,V_E$
Work to move a charge q from A point to B point.	$W = -\Delta E_P$ $W = -q\,(V_B - V_A)$

Symbol	Magnitude	S.I. unit
E	Intensity of electric field	N/C = V/m
F	Force	N
q	Electric charge	C
r	Distance	m
V_E	Electrostatic potential	V = J/C
E_P	Potential energy	J
W	Work	J
ε_0	Permittivity of vacuum $= 8.854\ 187\ 817\times10^{-12}$	$C^2\cdot N^{-1}\cdot m^{-2}$
K	Constant K : (for vacuum: $K = \frac{1}{4\pi\varepsilon_0} \cong 9\times10^9$)	$N\cdot m^2\cdot C^{-2}$
$\vec{u}_{12}$	Unitary vector	m/m