MATHEMATICAL SCIENCES

arithmetic           logic           set theory

algebra              general topology

number theory        geometry        trigonometry

combinatorics        linear algebra  discrete math  calculus

computer science     matrix theory   probability & statistics  differential eqns.

abstract algebra     linear optimization  vector calculus
(aka modern algebra)  (aka linear programming)

non-Euclidean geometry  real analysis  complex analysis

algebraic geometry   group theory    differential geometry

mathematical biology

knot theory          partial differential eqns.
(links, braids)       (aka PDE’s)

algebraic topology   mathematical physics
(gauge theory, fluid dynamics, etc.)