Next Step in Higher education in Mathematics: Masters Degree

- Regular route: Two-year M.Sc. Program (Offered by many recognized universities, IITs,NITs etc)

- Variant-1: Two-year M.Math/M.Stat/MSQE/MSQMS Program (ISI)
  (Application process starts in February and Exam on 2nd week of May)

- Variant- 2: Integrated PhD Program after a B.Sc. (some IITs, IISc, CMI, TIFR, IMSc, HRI)

Financial assistance to pursue higher studies in Mathematics

- NBHM - Nurture Program, UG Scholarships, Masters Scholarships, PhD Scholarships and Post-doctoral Fellowships

- Kishore Vaigyanik Protsahan Yojana (KVPY) Scholarships

- Institute scholarships/stipend and tuition fee waiver

- Research Fellowships of CSIR and UGC

- DST Inspire Fellowship

- GATE Teaching Assistantship

Selection of Areas where Mathematical Skills are applied

- Acturial mathematics

- Biomathematics

- Bioinformatics

- Climatology

- Computer Animation and Digital Imaging

- Data Analytics

- Ecology, Epidemiology, and Environmental Issues

- Finance and Economics.

Online resources

- http://ocw.mit.edu/index.htm

- http://in.udacity.com/

- http://www.coursera.org/

- http://nptel.ac.in/

- http://mooc.org/

- http://www.isibang.ac.in/∼adean/infsys/database/index.html

- http://www.arvindguptatoys.com

- http://www.3blue1brown.com/

Open Source Mathematical Softwares

- Linear Algebra: Octave (Free version of MATLAB)

- Statistics : R

- Calculus : Geogebra, Desmos