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Health Visitors'
Council**



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Council**



**Pharmacy
Council of
India**



**National Council
for Teacher
Education**

PHYSICS

**Duration : 3 Years,
B.Sc(H)**

ELIGIBILITY

10+2 in science stream or equivalent from a recognized Board/ Council with minimum 45% marks or equivalent grade and minimum 45% in subject opted (5% relaxation to SC/ST/OBC - Non-Creamy Layer)

SELECTION

Based on overall performance in last examination followed by Personal Interview.



PROGRAMME OVERVIEW

Science holds the key to answering some of the most complex questions and global challenges we face. But to create real change we need more than just brilliant scientific minds. We need a new generation of science graduates equipped with a broad set of skills and experiences that complement their science training and who can push the boundaries of possibility. In addition to studying the scientific discipline of your choice from the broad range available in science, you'll receive high-level training in leadership, persuasive communication, entrepreneurship, policy, ethics and corporate social responsibility. Mentored by successful external leaders, you'll work in small teams to develop innovations and solutions to approach an issue from scientific, policy, social and business perspectives. If you love science, and you're curious, adventurous, creative and prepared to challenge the status quo, then this course is for you.



CAREER OPPORTUNITIES

Higher education after B.Sc. (H) increases the proximity to get in to a high designation job with rewarding compensation packages. Graduate can pursue M.Sc. followed by M.Phil./ Ph.D. or management degree and they are also employable for Research & Development, Banking, Academics etc. They can have career in academia and research by pursuing higher studies and research leading to Ph.D degree. Teaching profession is widely chosen by many graduates in Physics. Career opportunities are also there for computing and information technology sector.

CHEMISTRY

Duration : 3 Years, B.Sc(H)



ELIGIBILITY

10+2 in science stream or equivalent from a recognized Board/ Council with minimum 45% marks or equivalent grade and minimum 45% in subject opted (5% relaxation to SC/ST/OBC - Non-Creamy Layer)

SELECTION

Based on overall performance in last examination followed by Personal Interview.



CAREER OPPORTUNITIES

Higher education after B.Sc. (H) increases the proximity to get in to a high designation job with rewarding compensation packages. Graduate can pursue M.Sc. followed by M.Phil./ Ph.D. or management degree and they are also employable for Chemical Manufacturing, Research & Development, Banking, Food & Agricultural Industries, Academics etc. They can have career in academia and research by pursuing higher studies and research leading to Ph.D degree. Teaching profession is widely chosen by many graduates in Chemistry. Career opportunities are also there for computing and other related sectors.

PROGRAMME OVERVIEW

B.Sc. Chemistry is an undergraduate program dealing with the nuances of Chemistry and its various properties. The course duration is 3 years. It covers a wide range of subjects like Physical Chemistry, Organic Chemistry, Inorganic Chemistry among others.



MATHEMATICS

Duration : 3 Years, B.Sc(H)



ELIGIBILITY

10+2 in science stream or equivalent from a recognized Board/ Council with minimum 45% marks or equivalent grade and minimum 45% in subject opted (5% relaxation to SC/ST/OBC - Non-Creamy Layer)

SELECTION

Based on overall performance in last examination followed by Personal Interview.

CAREER OPPORTUNITIES

Higher education after B.Sc. (H) increases the proximity to get in to a high designation job with rewarding compensation packages. Graduate can pursue M.Sc. followed by M.Tech/M.Phil./Ph.D. or management degree and they are also employable for Research & Development, Banking, Software Companies, Academics etc. They can have career in academia and research by pursuing higher studies and research leading to Ph.D degree. Teaching profession is widely chosen by many graduates in mathematics. Career opportunities are also there for computing and information technology sector.

PROGRAMME OVERVIEW

B.Sc. in Mathematics and Computing is a three year (six semesters) undergraduate course under the Department of Mathematics. The course is designed in such a way that the student will have comprehensive theoretical knowledge of mathematics and computer science which are required for soft computing. B.Sc. in Mathematics and Computing aims at providing students with enough knowledge on both mathematics and computing so that they can create and develop software applications in systematic approach, apply general principles of modern programming languages and be better employable. At the completion of the course, graduates are expected to obtain employment in application areas that need substantial inputs from both mathematics and computing and in IT sector. They can go for M.Sc. courses in Mathematics, Computer Science or in Mathematics and Computing.



ROYAL SCHOOL OF APPLIED & PURE SCIENCES

PHYSICS

**Duration :
2 Years, M.Sc.**

ELIGIBILITY

B.Sc.(H) from any recognized University/Institution in relevant field Or B.Sc. with minimum 45% marks in aggregate and minimum 45% in subject opted, from any recognized University/Institution or equivalent grade (5% relaxation to SC/ST/OBC – Non-Creamy Layer).

SELECTION

Based on overall performance in last examination followed by Personal Interview.

A man with dark hair and a beard, wearing a dark suit and light blue shirt, is looking down at a document on a desk. In the background, a woman in a grey blazer is also looking at a document. The setting appears to be a classroom or office with bright lighting.

CAREER OPPORTUNITIES

M.Sc. is very much demanding & students can gain a respectable job in this area after completing the programme. There are various specializations that one can pursue in M.Sc. programme. On the completion of M.Sc Physics, students can opt for research studies in top organizations such as ISRO, DRDO etc. They can also work in a government & private sectors in various technical & non-technical posts. Some of the job profiles for M.Sc. Physics Postgraduates are:

- »» Junior Research Fellow
- »» Research Scientist
- »» Medical Physicist
- »» Radiation Physicist
- »» Research Associate
- »» Online Tutor
- »» Subject Matter Expert
- »» Assistant Professor

PROGRAMME OVERVIEW

M.Sc. Physics is a postgraduate course based on the study of all branches of Physics. The course duration is of two years. Physics is a natural science that involves around the study of matter and its motion through space-time, along with related concepts such as energy and force. Some of the subjects included in this course are: Classical Mechanics, Condensed Matter Physics, Statistical Mechanics, Atomic and Molecular Physics, Laser and Raman Spectroscopy, Non-linear optics, Astrophysics and Nanomaterials among others.

CHEMISTRY

Duration : 2 Years, M.Sc.



ELIGIBILITY

B.Sc.(H) from any recognized University/Institution in relevant field Or B.Sc. with minimum 45% marks in aggregate and minimum 45% in subject opted, from any recognized University/Institution or equivalent grade (5% relaxation to SC/ST/OBC – Non-Creamy Layer).

SELECTION

Based on overall performance in last examination followed by Personal Interview.

CAREER OPPORTUNITIES

M.Sc. is very much demanding & students can gain a respectable job in this area after completing the programme. One can also work in a government & private sectors in various technical & non-technical posts. They can also choose career in academics and research organizations by pursuing higher studies leading to Ph.D. degree. Some of the employment opportunities for M.Sc. Chemistry course are:

- Research Scientist
- High School Teacher
- Quality Control Chemist
- Quality Manager
- Laboratory Assistant
- Operations Manager
- Quality Control Inspector



PROGRAMME OVERVIEW

M.Sc. Chemistry is a postgraduate course based on the study of all branches of Chemistry. The course duration is of two years. It comprises a broad variety of modules in chemistry from which students can choose to specialize in any. Some of those subjects are: Quantum Chemistry, Inorganic and Organic Chemistry, Biochemistry, Catalysis and Surface Chemistry, Macromolecules, Kinetics and Electrochemistry, Supramolecular Chemistry and Medicinal Chemistry among others.

MATHEMATICS

Duration : 2 Years, M.Sc

ELIGIBILITY

B.Sc.(H) from any recognized University/Institution in relevant field Or B.Sc. with minimum 45% marks in aggregate and minimum 45% in subject opted, from any recognized University/Institution or equivalent grade (5% relaxation to SC/ST/OBC – Non-Creamy Layer).

SELECTION

Based on overall performance in last examination followed by Personal Interview.



CAREER OPPORTUNITIES

There are different specializations that one can pursue in M.Sc. Mathematics programme. After passing master degree in science, one can go for a research study in top organizations such as ISRO, DRDO etc. One can also work in a government & private sectors in various technical & non-technical posts. They can also choose career in academics and research organizations by pursuing higher studies leading to Ph.D. degree. Some of the career opportunities are

- Research Scientist
- High school teacher
- Accounts and Banking Official Audits
- Quality assurance
- Quality manager
- Laboratory assistant
- Operations manager
- Quality control inspector

PROGRAMME OVERVIEW

M Sc Mathematics is a postgraduate course based on the study of all branches of Mathematics. The course duration is of two years. Mathematics is the study of quantity, structure, space, and change. Mathematicians seek out patterns and formulate new conjectures which resolve the truth or falsity of conjectures by mathematical proofs. It comprises a broad variety of modules in chemistry from among which students can choose to specialize in any. Some of those subjects are: Probability and Statistics, Partial Differential Equations, Topology, Discrete Mathematics, Stochastic Process, Continuum Mechanics, and Tensor Analysis among others.

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