



Department of School Education

Sheet No.103

Career of the Day Monday

Nanotechnologist

Date 28/02/2022

What is it really?

Nanotechnologists discover, research, develop, manufacture and use nanomaterials, various types of nanoscale devices and systems which find applications in several fields –ranging from agriculture, healthcare (pharmaceuticals, medical technology, diagnostic devices etc.) and environmental sustainability to aerospace technologies energy (conversion, storage and saving) and consumer electronics.

Pathway 1

1. Class 10th with all subjects as per scheme of studies
2. +2 in Science Stream with Physics Chemistry along with Mathematics or Biology
3. Undergraduate degree in any branch of engineering or in Nanotechnology
4. Master's degree in Nanotechnology
5. Ph.D in Nanotechnology

Pathway 2

1. Class 10th with all subjects as per scheme of studies
2. +2 in Science Stream with Physics Chemistry along with Mathematics or Biology
3. Undergraduate degree in Physics/ chemistry/ Material Science/Electronics /Nan science or related field. Master's degree in physics/ chemistry / Material science / electronics/Nanoscience
5. M.Tech. /M.S. in Nanotechnology or in related field.

Colleges/Universities

1. Punjab University, Chandigarh
2. Guru Nanak Dev University, Amritsar
3. Punjabi University, Patiala
4. IIT, Ropar
5. Thapar Institute of engineering and Technology, Patiala and Many more colleges and Universities

For details contact School Counsellor or visit Punjab Career Portal
<http://punjabcareerportal.com> and [Mashaal Website:-](http://mashaal.ssapunjab.com)
User ID: Student's E-Punjab ID <http://mashaal.ssapunjab.com>
Password: 123456

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Mon- Sciences, Tuesday- Emerging Career, Wednesday- Arts, Thursday- Commerce
Friday- Sports, Saturday- Entrepreneurship/Vocational/ NSQF/ Employment Generation