Job clusters for our students

Analysts & Data Scientists
- Consultants
- Defence Personnel
- Others

Analysts & Data Scientists
- Admin/Management
- Education
- Engineers & Specialists
- Research

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Our focus on research

We have diverse research interests and are leading in many fields. Here are some highlights:

- Quantum Thermometer
- Topological Semimetal
- Quantum Technology
- Track-walking molecular motors
- Oxygen migration at the heterostructure interface
- Revolutionising atomic clocks
- Phase transition dynamics in 2D materials
- Black holes with unusual horizons
- Conducting Polymer
- Treating cancer with fast proton particles

why should you take PHYSICS?

physics is versatile
physics teaches you to think
physics teaches you to become complex problem solver
physics puts you at the frontier of knowledge
physics makes things possible
physics develops your determination to find coherent answers
physics gets you a job
physics develops your ability to grasp things quickly
physics develops your analytical, mathematical and IT skills
physics puts your math to use
25–30% of our graduates continue to pursue higher degrees (MSc and PhD)

Scholarships available for students pursuing undergraduate degree in NUS

95% of our students secure a job within 6 months after graduation

Good starting salary

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PHYSICS should you take?

physicists should you take?

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**Exciting things you can do with your physics degree**

Physics provides such a broad training (with flexibility in double-degree and minor programs, attractive specializations, etc.) that whatever career you have in mind, physics will prepare you well to meet the challenges ahead.

**DATA SCIENCE**
With math, programming and modelling background, physicists excel as data scientists.

**MUSIC & TV**
Many of the people that work in the media industry need the physics know how.

**TRANSPORT**
Whether you want to design jet fighters, electric sports cars or superconductor maglev trains, physics will keep you moving in the right direction.

**ENERGY**
Physicists help to improve existing technology to make it more energy efficient and to develop new technology.

**MEDICAL PHYSICS**
Understanding physics is important if you want to work in modern medicine. We can also use proton beam to treat cancer!

**ENVIRONMENT & CLIMATE**
Physics is vital to understanding everything from the earth’s core to the exosphere.

**SPACE**
You could design satellites or robots that land on other planets.

**ENGINEERING**
Physics gives students a variety of skills which are useful in all technical areas including solving complex technological problems.

**EDUCATION**
Teaching is rewarding job. It gives you the chance to use your knowledge to influence the thinking of a whole generation.

**CUTTING EDGE RESEARCH**
Physicists that work at the cutting edge are often driven by curiosity. They strive to push the frontier and achieve new breakthroughs!

**Where are our alumni?**

- **Joy, Medical Physicist**
  - Think physics and medicine don’t mix? Think again! Discover the field of medical physics from Joy, a medical physicist helping patients beat cancer.

- **Shannon, Analyst**
  - How do hedgehogs, physics and business mix? Ask Shannon. His problem solving skills led him to a career in the financial service industry.

- **Loke Yuen, Global Product Manager**
  - Think physics and medicine don’t mix? Think again! Discover the field of medical physics from Joy, a medical physicist helping patients beat cancer.

- **Ken, Senior Business Analyst**
  - Consulting requires diligent research, quick thinking and confidence to work with influential people to effect change. Learn from consultant/physicist Ken.

- **Laurentcia, Medical Physicist**
  - Combining diagnostic radiology and nuclear medicine, Laurentcia manages radiation safety and diagnostic physics issues in the hospital.

- **Kean Loon, Software Developer**
  - What can you do with your skills in physics, mathematics and computing? Kean Loon uses these skills to hunt for oil reserves on the earth!

- **Yu Qian, Associate Medical Physicist**
  - Yu Qian understands how fast moving proton particles can be used to treat cancer patients. Her medical physics training is making impact in healthcare!

- **Chorng Ing, Product Engineering Manager**
  - Can you go from probing the inkjet pattern from a printer to designing apparatus for DNA sequencing? Yes, Chorng Ing has done it using his cognitive flexibility and complex problem solving skills!