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# Master Science and Technology of Nuclear Fusion

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ECTS POINTS

120



EDUCATION TYPE

Master program



DURATION

Two years



LANGUAGE

English

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The worldwide collaboration on the development of nuclear fusion as a safe, clean and inexhaustible energy source is now culminating in the construction of the International Thermonuclear Experimental Reactor (ITER). Located in southern France, ITER will demonstrate 10-fold power multiplication at the 500 MW level.

The ITER project is giving the science and engineering of nuclear fusion a major boost. Therefore it will need a new generation of highly trained engineers and scientists for its operation. Eindhoven University of Technology has selected fusion science and technology as one of its high-profile areas, by starting a dedicated research group and establishing a full-blown master's program on fusion.

## MASTER SCIENCE AND TECHNOLOGY OF NUCLEAR FUSION

The Master of Science and Technology of Nuclear Fusion is the obvious path for those who want to specialize in fusion. The curriculum is truly interdisciplinary – combining elements from applied physics, mechanical engineering and electrical engineering – and places emphasis on the goal-oriented nature of fusion research. The international character, work in interdisciplinary groups and societal aspects of fusion research are also emphasized in the program.

If you are bright, ambitious, interested in high-tech, not afraid of a serious challenge, and have a concern for the sustainability of the planet, this program might be just the course for you.

You can also choose to combine this master's program with Applied Physics, Electrical Engineering or Mechanical Engineering as a 'double degree'. This requires half a year to a year of extra study.

TIJS WIJKAMP

**"I'm protecting fusion reactors by detecting runaway electrons."**



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Do you have a question about **the program or student life**? Ask our students.

For questions about admission you can go to **[admission and enrollment](#)**

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Master program

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**Which program are you interested in?**

Science and Technology of Nuclear Fusion

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