

Lecturer / Senior Lecturer for Interdisciplinary  
Collaborative Courses  
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=255192>

Downloaded On: May. 31, 2025 7:22pm

Posted Apr. 1, 2025, set to expire Aug. 1, 2025

<b>Job Title</b>	Lecturer / Senior Lecturer for Interdisciplinary Collaborative Courses
<b>Department</b>	School of Electrical and Electronic Engineering
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	Apr. 1, 2025
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Lecturer/Instructor Senior Lecturer
<b>Academic Field(s)</b>	Electrical and/or Electronics
<b>Job Website</b>	<a href="https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Lecturer---Senior-Lecturer-for-Interdisciplinary-Collaborative-Courses_R00020255">https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Lecturer---Senior-Lecturer-for-Interdisciplinary-Collaborative-Courses_R00020255</a>

**Apply By Email**

**Job Description**

The School of Electrical and Electronic Engineering (EEE) at Nanyang Technological University, Singapore, invites qualified candidates to apply for Lecturer position to teach the Interdisciplinary Collaborative Core (ICC) course titled 'Science & Technology for Humanity'. This course examines the social, economic, and political impacts of science and technology and encourages students to engage with societal problems from a broad interdisciplinary perspective, drawing on both STEM and SHAPE disciplines.

**New Curriculum - Interdisciplinary Collaborative Core**

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Young and research intensive, Nanyang Technological University, Singapore (NTU Singapore) is ranked among the world's top universities. The Interdisciplinary Collaborative Core (ICC) Office at NTU Singapore oversees new curricula focusing on key transferable skills and global challenges using interdisciplinary approaches to learning. The rapidly changing nature of work, compounded by the relentless speed of innovation, necessitates that our graduates constantly acquire new knowledge and competencies, and adapt to several career changes over their lifetimes. As forward-looking educators, we are in continual pursuit of providing a holistic education grounded in future-ready skills which will prepare our graduates for lifelong learning and global citizenship.

Such an education needs to transcend the traditional boundaries of disciplines to address the nexus between theoretical and practical learning; "hard skills" and "soft skills"; and core curriculum and co-curriculum. Hence, NTU launched a new curriculum structure in 2021 to address these needs, featuring a range of Interdisciplinary Collaborative Core (ICC) Courses.

The course aims to inspire a long-lasting mindset of awareness, critical thinking, curiosity, and collaboration across disciplines through the lens of contemporary and near-future challenges for human communities in relation to scientific and technological innovations. Students will learn to perceive and analyze the potential benefits and costs of scientific/technological innovations and applications from different perspectives and on different scales. Students will then use these skills to identify real-life challenges and to propose solutions.

## **Responsibilities**

The hired EEE lecturer will have the following responsibilities:

- Facilitates and conducts all teaching assignments, both face-to-face and virtual delivery
- Develops, designs, and continuously improves curriculum plans, course outlines, evaluation procedures and instruments to foster student learning, stimulate class discussions, and ensure student engagement
- Develops an instructional plan (known as a course outline or syllabus) for the course(s) they teach and ensures that it meets college and school standards
- Supports course administration such as course evaluation, online course materials, attendance records, academic counselling on student progress
- Conducts assessments, marking and grade entries, feedback to students, student consultations, non-academic matters etc.
- Develops course materials and learning resources for course delivery and support students' learning
- Provides regular course and student progress statistics for reporting and strategic decision

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- Demonstrates values and principles of professional conduct in all endeavours
- Other assigned duties at school for a lecturer such as student supervision, student projects, etc.

### Personal Attributes

Candidates should possess the following attributes:

- Modeling curiosity and a passion for knowledge to inspire students and a willingness to embrace new technologies and innovative approaches.
- Ability to develop engaging and interactive learning experiences and to find new ways to relate concepts to real-world applications.
- Strong communication skills with the ability to clearly explain complex concepts and instructions.
- Skilled in active listening to understand student perspectives and concerns.
- Have the capacity to encourage students to think deeply and critically about course material and to guide them through problem-solving and complex discussions.
- Ability to work with students as partners in the learning process and to encourage peer collaboration and group activities in class.
- Skilled in leading discussions and guiding group activities without dominating them to encourage active participation, questioning, and dialogue among students.
- Ability to design and manage class schedules, pre-class materials, and in-class activities and to keep track of student progress and provide timely feedback.
- Familiarity with learning management systems, video platforms, and collaboration tools.
- Committed to continuous improvement in teaching practices.

### Requirements

Candidates with the following qualifications are encouraged to apply:

- PhD in fields related to EEE, Engineering, Applied Physics, Materials including but not limited to Biomedical Electronics / Electrical Power & Energy / Intelligent Systems & Control Engineering / Electronic Engineering / Integrated Circuits (IC) Design / Microelectronics & Photonics / Infocommunication Engineering / Communications Engineering / Computer Engineering / Data Intelligence & Processing
- Teaching and mentoring experience. Experience with team teaching is preferred.
- Interest and/or proficiency in technology-enhanced learning (e.g., developing online learning activities and assessments, creating lectures to be streamed online).
- Passionate and well informed on the development and progress of technology in general and

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have good understanding of the intersection of technology and humanity.

- Ability to work in a team.
- A demonstrated potential for scholarship is an advantage.
- This position is best suited for those with prior relevant experience.

### **Application**

Applicants are invited to submit their applications (cover letter, CV, research and teaching statements, and citation report, where applicable) through the [NTU career portal](#).

Review of applications and shortlisting decision will be on an on-going basis until the position is filled. Only shortlisted candidates will be notified.

### **Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

### **Contact**

Singapore