



Republic of Rwanda  
Ministry of Education

## PUBLIC ANNOUNCEMENT

### Government of Rwanda –Singapore (NTU) Masters Scholarships Programme

The Government of Rwanda through the Ministry of Education initiated a programme for the targeted training of Rwandan students in cutting edge technologies such as artificial Intelligence (AI), Power Engineering, Control and Automation and Smart Manufacturing, to support Rwanda's ambitious growth and development.

The Government of Rwanda and Nanyang Technological University (NTU), Singapore seek applications from outstanding Rwandan students to this prestigious programme for admission to NTU Singapore's Master's Degree courses in August 2025.

<b>Eligibility:</b>	<b>Courses covered:</b>	<b>Funding:</b>
<ul style="list-style-type: none"><li>• Rwandan students nominated by the University of Rwanda other higher learning institutions as having completed an UG degree covering the required courses taught as shown in the table below</li><li>• Graduating from Bachelor degree in Rwanda</li><li>• Graduating from a UG course in a field related to the subject chosen</li></ul>	<ul style="list-style-type: none"><li>• <a href="#">Artificial Intelligence</a></li><li>• <a href="#">Power Engineering</a></li><li>• <a href="#">Control and Automation</a></li><li>• <a href="#">Smart Manufacturing</a></li><li>• <a href="#">Material Science &amp; Engineering</a></li></ul>	<p>Successful Applicants will have obtained a nomination from the University of Rwanda or other higher learning institutions to receive a full scholarship to cover tuition fees, travel &amp; living allowances.</p>

- **Applications for admission are submitted online through NTU using [this link](#): before 28 February 2025**

Masters Course	Course Outline	UG Course Requirements	Learning Framework										
Smart Manufacturing	<a href="https://www.ntu.edu.sg/mae/admissions/programmes/graduate-programmes/detail/master-of-science-in-smart-manufacturing#programme">https://www.ntu.edu.sg/mae/admissions/programmes/graduate-programmes/detail/master-of-science-in-smart-manufacturing#programme</a>	<p>The following modules covered during UG:</p> <ul style="list-style-type: none"> <li>• Mechanical Engineering modules</li> <li>• Mathematics/Physics foundation courses during their UG</li> <li>• Manufacturing course modules</li> </ul>											
Artificial Intelligence	<a href="https://www.ntu.edu.sg/education/graduate-programme/master-of-science-in-artificial-intelligence">https://www.ntu.edu.sg/education/graduate-programme/master-of-science-in-artificial-intelligence</a>	<p>The following modules covered during UG:</p> <ul style="list-style-type: none"> <li>• linear algebra</li> <li>• probability and statistics</li> <li>• calculus</li> <li>• Machine learning</li> <li>• Python/Java/C/C++ Programming</li> <li>• image processing or computer vision</li> </ul>	<ul style="list-style-type: none"> <li>• All courses have quizzes, project, report and presentation</li> <li>• Estimated commitment hours: <table border="1" data-bbox="954 779 1414 926"> <thead> <tr> <th>Sem</th> <th>Type</th> <th>hrs</th> <th>Weeks</th> <th>Total Hrs</th> </tr> </thead> <tbody> <tr> <td>1 and 2</td> <td>Lecture</td> <td>3</td> <td>13</td> <td>39</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>• View the Course Content <a href="#">Here</a></li> </ul> </li> </ul>	Sem	Type	hrs	Weeks	Total Hrs	1 and 2	Lecture	3	13	39
Sem	Type	hrs	Weeks	Total Hrs									
1 and 2	Lecture	3	13	39									
Materials Science and Engineering	<a href="https://www.ntu.edu.sg/mse/admissions/programmes/graduate-programmes/detail/master-of-science-in-materials-science-and-engineering#curriculum">https://www.ntu.edu.sg/mse/admissions/programmes/graduate-programmes/detail/master-of-science-in-materials-science-and-engineering#curriculum</a>	UG Major in Material Science Engineering	<p>Course timetable and tutorial schedules:  <a href="https://www.ntu.edu.sg/mse/admissions/postgraduates/current-students/postgraduate-courses">https://www.ntu.edu.sg/mse/admissions/postgraduates/current-students/postgraduate-courses</a></p> <p>All our PG courses are elective, and tutorials are optional.</p>										

Power Engineering	<a href="https://www.nu.edu.sg/education/graduate-programme/master-of-science-in-power-engineering">https://www.nu.edu.sg/education/graduate-programme/master-of-science-in-power-engineering</a>	<p>Some courses in the programme have prerequisites:</p> <ul style="list-style-type: none"> <li>• Power Electronic Converters</li> <li>• Modern Electrical Drives</li> <li>• Power System Modelling &amp; Control</li> <li>• Power Semiconductor Based Converter In Renewable Energy Systems</li> <li>• Power Quality</li> <li>• Modern Distribution System with Renewable Resources</li> <li>• Renewable Energy Systems in Smart Grids</li> <li>• Power Electronics &amp; Drives</li> <li>• Electrical Devices &amp; Machines + Power Systems &amp; Conversion</li> <li>• Power System Analysis &amp; Control</li> <li>• Power Electronics &amp; Drives</li> <li>• Modern Distribution Systems with Renewable Resources</li> <li>• Electrical Devices &amp; Machines + Power Systems &amp; Conversion</li> <li>• Modern Distribution Systems with Renewable Resources</li> </ul>	All the courses have 39 hours lectures, no tutorials and there will be 2-4 assessments.
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Computer Control & Automation	<a href="https://www.nyu.edu.sg/education/graduate-programme/master-of-science-in-computer-control-automation">https://www.nyu.edu.sg/education/graduate-programme/master-of-science-in-computer-control-automation</a>	<p>Some courses in the programme have prerequisites:</p> <ul style="list-style-type: none"> <li>• Engineering Mathematics I and II (Laplace Transform, Linear Algebra, Complex Analysis etc)</li> <li>• Modelling and Control of Continuous-Time Systems</li> <li>• Linear Control Theory and Linear Algebra</li> <li>• Feedback Control Systems</li> <li>• Signals &amp; Systems</li> <li>• Probability Theory</li> </ul>	All the courses have 39 hours lectures, no tutorials, and there will be 2-4 assessments.
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