



HIT Master's Degree Programs Taught in English

Category	School	Major	Research Field
Materials Science	School of Materials Science and Engineering	0805 Materials Science and Engineering	<ol style="list-style-type: none"> <li>1. Metal and Ceramics Materials</li> <li>2. Surface Engineering</li> <li>3. Behavior of Materials under Space Environment and Test Technologies</li> <li>4. Polymer Matrix Composite Materials</li> <li>5. Micromechanics of Composite Materials</li> <li>6. Information Function Material and Device</li> <li>7. Biomedical Materials and Device</li> <li>8. Science and Solidification of Liquid Forming Technology</li> <li>9. Plastic Forming Theory and Technology</li> <li>10. Science and Technology of Materials Joining</li> </ol>
Mechanical Engineering	School of Mechatronics Engineering	0802 Mechanical Engineering	<ol style="list-style-type: none"> <li>1. Mechanical Design and Theory</li> <li>2. Mechanical Manufacture Automation</li> <li>3. Mechatronic Engineering</li> <li>4. Production Process Management</li> </ol>
	School of Energy Science and Engineering	0807 Power Engineering and Engineering Thermo-Physics	<ol style="list-style-type: none"> <li>1. Combustion and Pollution Control</li> <li>2. Dynamic Fluid and Chemical Machinery</li> <li>3. Heat, Mass Transfer and Multiphase flow</li> <li>4. The Utilization of Energy</li> </ol>
Civil Engineering	School of Civil Engineering	0814 Civil Engineering	<ol style="list-style-type: none"> <li>1. Steel, Wood and Composite Structures</li> <li>2. Concrete Structure, Masonry Structure and New Structure</li> <li>3. Bridges and Ocean Engineering Structures</li> <li>4. Civil Engineering Materials</li> <li>5. Disaster Prevention and Mitigation Works and Protection Works</li> <li>6. Geotechnical and Underground Engineering</li> <li>7. Civil Engineering Construction and Management</li> </ol>
Electronics	Faculty of Computing	0812 Computer Science and Technology	Computer Science and Technology
		0835 Software Engineering	Software Engineering



	School of Astronautics	0811 Control Science and Engineering	Control Science and Engineering
		0809 Electronics Science and Technology	<ol style="list-style-type: none"> <li>Physical Electronics</li> <li>Microelectronics and Solid-State Electronics</li> </ol>
	School of Electronics and Information Engineering	0810 Information and Communication Engineering	Information and Communication Engineering
	School of Instrumentation Science and Engineering	0804 Instrument Science and Technology	Instrument Science and Technology
Chemical Engineering & Life Science and Technology	School of Chemistry and Chemical Engineering	0703 Chemistry	<ol style="list-style-type: none"> <li>Surface and Interface Chemistry of Materials</li> <li>Energy Conversion Material Chemistry</li> <li>Solar Cells and Devices</li> <li>Spectrum Detection and Analysis</li> <li>Synthesis and Preparation of Functional Nano-Materials</li> </ol>
		0817 Chemical Engineering and Technology	<ol style="list-style-type: none"> <li>Polymer Composite and Modification</li> <li>Chemical Power Source and Electrochemical Technology</li> <li>Preparation and Performance of Functional Materials</li> <li>Energy Chemical Engineering and Catalysis</li> <li>Bimolecular Engineering</li> </ol>
		0832 Food Science and Engineering	<ol style="list-style-type: none"> <li>Space Biochemistry and Protection</li> <li>Natural Product Chemistry and Human Health</li> <li>Food Safety and Process Control</li> <li>Food Fermentation and Microbiology</li> <li>New Resource Food Research and Development</li> </ol>
	School of Life Science and Technology	0831/0777 Biomedical Engineering	<ol style="list-style-type: none"> <li>Nano Biotechnology</li> <li>Tissue Engineering and Regenerative Medicine</li> <li>Synthetic Biology</li> <li>Cancer Biology</li> <li>Neurobiology</li> </ol>