

研究科 Graduate School	先進理工系科学研究科 Graduate School of Advanced Science and Engineering	
専攻 Major	先進理工系科学専攻 Division of Advanced Science and Engineering	
プログラム Program	量子物質科学プログラム Quantum Matter Program	
出願期間 Application Period	Please contact Student Support Office, Graduate School of Advanced Sciences of Matter for details.	
出願書類 Required Documents	Please contact Student Support Office, Graduate School of Advanced Sciences of Matter for details.	
選考方法 Selection Method	Please contact Student Support Office, Graduate School of Advanced Sciences of Matter for details.	
試験実施日 Examination Day	Please contact Student Support Office, Graduate School of Advanced Sciences of Matter for details.	
入学時期 Admission Semester	April, October	
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プログラム概要 Program Outline 研究キーワード Research Key Words	<p>【Outline】 The Quantum Matter Program provides education and research in areas related to the physics and electronic engineering including materials science and condensed material physics. That is to say, the education and research in the Program aims to create a material that demonstrates a new quantum phenomenon and reveal the inner state of the material and interaction between it and the external field using experiments and theories based on physics. In addition to this, the Program contributes to develop the material science and engineering that is based on condensed material physics and the electronic engineering that covers areas from electronic and optical devices to integrated systems. The Program aims to contribute to the international and local societies by developing human resources who can work for solving social problems and by transmitting superior research results through the education and research activities.</p> <p>The Program develops researchers, educators, and highly professional engineers who have obtained expertise regarding materials science, condensed material physics, material science and engineering, and electronic engineering and are able to contribute to the international and local societies by applying the expertise to creation, design, and realization of a material, device, and system that has a new function society requires.</p> <p>【Key Words】 Theory of Condensed Matter Physics/ Magnetism and Low Temperature Physics/ Beam Physics/ High Energy Physics/ Semiconductor Quantum Optics/ Energy Storage Materials/ Material Science of Nanotechnology/ Semiconductor Electronics/ Electron Device Engineering/ Frontier Integrated Systems / Nanodevice Engineering/ Nanoprocess Engineering/ Intelligent Integrated Circuits Engineering/ Nanobio Electromagnetics Engineering/ Optical Integrated Waveguide Devices/ Micro Electro-Mechanical System (MEMS)/ Transistor Modeling</p>	
HPアドレス Website	https://www.hiroshima-u.ac.jp/en/adse	