

専攻分野に関連する主な専門項目等  
(Majors and Related Key Terms for Fields of Study)

| 専攻分野<br>(Fields of Study)                                            | 主な専門項目等<br>(Majors and Related Key Terms)                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 機械<br>(Mechanical Engineering)                                       | 機械要素・材料加工 (Machine Elements and Material Processing)<br>材料科学・力学 (Materials Science and Mechanics)<br>流体・熱工学 (Fluid and Thermal Engineering)<br>機械システム設計・制御 (Mechanical System Design and Control)<br>C A D / C A M (Computer Aided Design/Computer Aided Manufacturing)<br>メカトロニクス (Mechatronics)<br>ロボット工学 (Robotics)<br>など (etc.)                                                                                                           |
| 電気・電子<br>(Electrical and Electronic Engineering)                     | アナログ回路 (Analog Circuits)<br>電力システム (Electric Power System)<br>パワーエレクトロニクス (Power Electronics)<br>ディジタル回路 (Digital Circuits)<br>集積回路 (Integrated Circuits)<br>電気・電子材料 (Electric / Electronic Materials)<br>電気・電子機器 (Electric / Electronic Device)<br>電気・電子制御 (Electric / Electronic Control)<br>など (etc.)                                                                                                                                      |
| 情報・通信・ネットワーク<br>(Information, Communication and Network Engineering) | 信号・画像処理 (Signal/Image Processing)<br>有線通信 (Cable Communication)<br>無線通信 (Wireless communication)<br>情報通信 (Communication Engineering)<br>衛星通信 (Satellite Communication)<br>マイクロ波 (Microwaves)<br>ソフトウェア工学 (Computer Software)<br>コンピュータグラフィクス (Computer Graphics)<br>オペレーティングシステム (Operating System)<br>周辺機器とインターフェース技術 (Peripherals and Interface Technology)<br>コンピュータネットワーク (Computer Network)<br>通信制御 (Communication Control)<br>など (etc.) |
| 物質・材料<br>(Materials Engineering)                                     | 金属工学 (Metallurgical Engineering)<br>無機材料工学 (Inorganic Materials Engineering)<br>有機材料工学 (Organic Materials Engineering)<br>高分子化学 (Polymer Chemistry)<br>化学工学 (Chemical Engineering)<br>生物化学 (Biological Chemistry)<br>生物工学 (Biological Engineering)<br>環境工学 (Environmental Engineering in Materials Science and Engineering)<br>など (etc.)                                                                                                      |
| 建築・土木<br>(Architecture and Civil Engineering)                        | 建築設計 (Architectural Design and Planning)<br>建築構造 (Structural Engineering in Architecture)<br>建築材料・施工 (Building Materials and Execution Works)<br>建築史 (History of Architecture)<br>構造力学 (Structural Engineering)<br>土木材料・施工 (Materials in Civil Engineering)<br>測量 (Surveying)<br>水理学 (Hydraulics)<br>地盤工学 (Geotechnical Engineering)<br>都市計画 (Urban Engineering)<br>など (etc.)                                                                 |
| 商船<br>(Maritime Engineering)                                         | 航法 (Navigation)<br>測位 (Position Fixing)<br>操船学・運用学 (Ship Maneuvering and Seamanship)<br>海洋・気象学 (Oceanography and Meteorology)<br>海法 (Maritime Laws)<br>造船学 (Naval Architecture)<br>ディーゼル機関 (Marine Diesel Engine)<br>船舶補機 (Marine Auxiliary Machinery)<br>船舶材料 (Marine Material)<br>など (etc.)                                                                                                                                                 |
| その他<br>(Other Fields)                                                | 国際コミュニケーション (International Communication)<br>経営情報工学 (Management Information Engineering)<br>など (etc.)                                                                                                                                                                                                                                                                                                                                         |

