It is the broadest of all engineering professions, encompassing activities from aerospace to urban planning. Our CURRICULUM offers a wide selection in civil engineering courses, including courses in structural engineering, transportation engineering, environmental engineering, water resources engineering, materials, construction engineering and management, and... Sep 13, 2021 · To develop skills required to produce civil-engineering and structural drawings. Hydraulics (Civil) (ENGGDE5203) 15 credits (0.125 EFTS) To introduce the principles of fluid mechanics and apply them in civil engineering hydraulic applications. Highway Engineering I (ENGGDE5204) The Department of Civil and Environmental Engineering offers three graduate degrees: Doctor of Philosophy (Ph.D.), Master of Science in Engineering (M.S.E.), and Master of Engineering (M.Eng.). Students must be admitted to one of these three degree programs. The fundamental principles of civil engineering design and the behavior of civil engineering systems are emphasized throughout the program. This section describes the civil engineering technical program. Briefly, there are two types of civil engineering courses: (1) core courses and (2) advanced technical courses. Demonstrate well-rounded general engineering knowledge, as well as systematic knowledge of the main terms, procedures, principles and operations applicable to Civil Engineering. Gather evidence from primary sources and journals using advanced retrieval skills, and also organise, synthesise and present the information professionally in a mode Engineering is the use of scientific principles to design and build machines, structures, and other items, including bridges, tunnels, roads, vehicles, and buildings. The discipline of engineering encompasses a broad range of more specialized fields of engineering, each with a more specific emphasis on particular areas of applied mathematics, applied science, and...