



## Graduate Attributes of Civil Engineering Program

### مواصفات خريج برنامج الهندسة المدنية

**By successfully completing the civil engineering program of the faculty of engineering at Zagazig University, the graduate will be able to:**

- 1) Master a wide spectrum of engineering knowledge and specialized skills and can apply acquired knowledge using theories and abstract thinking in real life situations.
- 2) Apply analytic critical and systemic thinking to identify, diagnose and solve engineering problems with a wide range of complexity and variation.
- 3) Behave professionally and adhere to engineering ethics and standards.
- 4) Work in and lead a heterogeneous team of professionals from different engineering specialties and assume responsibility for own and team performance.
- 5) Recognize his/her role in promoting the engineering field and contribute in the development of the profession and the community;
- 6) Value the importance of the environment, both physical and natural, and work to promote sustainability principles.
- 7) Use techniques, skills and modern engineering tools necessary for engineering practice.
- 8) Assume full responsibility for own learning and self-development, engage in lifelong learning and demonstrate the capacity to engage in post- graduate and research studies.
- 9) Communicate effectively using different modes, tools, and languages with various audiences; to deal with academic/professional challenges in a critical and creative manner.
- 10) Demonstrate leadership qualities, business administration and entrepreneurial skills.
- 11) Select appropriate and sustainable building materials and technologies for the construction of buildings, infrastructure, and water structures.
- 12) Act professionally in design and construction of reinforced concrete and steel structures.
- 13) Apply analytical, experimental construction engineering and management modern techniques and tools.

عميد الكلية

رئيس مجلس إدارة  
برنامج الهندسة المدنية

منسق البرنامج

منسق المعيار

أ.د/ هشام محمد فوزى

أ.د/ إيمان أنور الشامى

د/ سعاد حسنى عنانى

د/ مروه نبيل