BE CIVIL For Diploma Holders Program

Introduction:

Engineering education leading to Bachelor degree has a practice of taking students from two streams: i) after completion of intermediate in science (10+2, Higher Secondary or pre-university) and ii) after the completion of Diploma courses in different streams of engineering, technology and having acquired certain years of field based work experience. Both the streams of intake are in practice around the world. Across the globe, including Nepal, evolution of advanced engineering stemmed from Diploma level education which gradually advanced to Bachelor, Masters’ and Doctoral level. Academic progression after completion of Diploma in Engineering is considered better in many parts of the world. It is meritorious because it provides opportunity of building advanced theoretical knowledge and skill based learning.

Bachelor courses for Sub Engineers in different areas are offered to provide opportunity of academic advancement to those who aspire to take up advanced studies leading to Bachelor and Masters Degree. The aim of such course is to provide theoretical, analytical and practical skills through appropriate blending with the prior knowledge and practice based learning. As a result, the Sub Engineers are transformed into skilled engineers that lead to play an important role in designing, development, operation and management of engineering systems.

Nepal Engineering College (nec) entered into offering Bachelor course in Civil Engineering for Diploma graduates since 2000 A.D. in affiliation to Pokhara University. This course is designed to fulfill the needs of qualified engineers in the country. While the Bachelor course for Diploma Graduates at nec is currently limited to Civil Engineering, this has been proposed to be expanded in other areas in the days to come based on educational needs. The aim of this course is to provide the youth with the best opportunities and environment of learning.

Bachelor Program in Civil Engineering for Diploma Graduates

Bachelor course in Civil Engineering for Diploma Graduates is designed to train competent graduates in Civil Engineering. Three unique features of this course are: i) classes are scheduled in the afternoon on the working days and weekend providing opportunity to the job holders ii) course curriculum is built on the prior knowledge and skills of Diploma graduates comparable to regular academic courses in engineering offered in any part of the world, and iii) the emphasis of the curriculum delivery is to build key knowledge and competence to take-up professional challenges. The students joining this course undergo systematic theoretical and practical learning in basic sciences, material engineering, structural engineering, water resources engineering, geo-technical engineering and transportation engineering, etc. This course provides opportunity to the students to develop the knowledge and skills to take up an array of infrastructure development tasks where civil engineers play an important role. After the successful completion of the course, the students are awarded Bachelor of Engineering (B.E.) degree in Civil Engineering by Pokhara University.

nec-BDH

nec- Bachelor Program for Diploma Holders (nec-BDH) was established as the center for offering Bachelor courses for Diploma engineering graduates. Organized within the structure of nec. nec-BDH is currently located at Mahalaxmistan, Lalitpur. The college has ease to access and trasportation connectivity to all parts of Kathmandu, Lalitpur and Bhaktapur even in the late evening. There is no doubt, it is a single spot destination of Nepal for the students pursuing technical education (BE Civil for Diploma Holders) as a professional course.

It helps them to attain high level of academic standard, scientific temper, technical and professional competence.
Nepal Engineering College has evolved into one of the most outstanding institutions in Nepal. Our dedicated staffs and academic professionals are focused on the quality of education in a friendly, caring and sound academic environment. Our vision is to be on the leading edge of technical education in providing quality education, new learning methods, focus on student retention and placement. nec-BDH has produced capable civil engineers, participating in nation building which has been shown by our mind blowing history and excellent results.

The main objective of this program is to accelerate the economic and social growth by producing skillful civil engineers. My position as a chief at nec-BDH is to create opportunities and social growth by producing skillful civil engineers. My position is to make the students’ satisfaction by providing academic excellent environment.

As a program coordinator, I really look forward to work with all the faculties, staffs and students towards making nec-BDH more successful and rewarding program in the upcoming days.

The main objective of the course is to train the graduates to apply knowledge and skills in design, development, operation and management of engineering systems and structures related to buildings, roads, water resources and environmental development. The course has been designed to explore the intact knowledge and skills in civil engineering to stimulate the students in planning, designing, implementing of infrastructural development with the help of technology and resources.

The details of the fees for this program can be obtained from nec-BDH administration. The library has been providing quality education, new learning methods, focus on student retention and placement. nec-BDH produces the skillful, qualified and dynamic civil engineers capable to meet the national and international standards. We assure that we meet the students’ satisfaction by providing academic excellent environment.

Administration section supervises and oversees the daily operations of the nec-BDH program. It helps to maintain effective relationship with faculty members as well as with students to interpret college policy and programs accurately and constructively. Administration section supports the students in the need of administrative help. This section will play the role as a catalyst to establish and maintain the organizational climate, that encourages the development, retention and high level of morale among the personnel. The administration section assists nec-BDH student’s everyday from 2pm to 8.45 pm.

Supporting Staffs:

Course Structure:
The Course structure for B.E. Civil For Diploma Holders in different years and their respective semesters are as follows:

Admission procedure:
Students seeking to Bachelor course for Diploma graduates must have completed Diploma course in Civil Engineering or Architecture from institution recognized by Pokhara University, securing at least second division marks. The admission is offered to the aspiring candidates based on the merit decided by the score obtained by the candidate in the entrance examination which is conducted by nec-BDH program. More over, it also gives privilege to the job experiences.

The entrance test would be paper based on multiple choice questions. The entrance test includes appropriate mix of questions from Mathematics, Physics, Chemistry, English, Surveying, Strength of Material, Theory of Structures, Building Materials and Construction Technology.
Grading System

Pokhara University awarded a grading system to a student in a subject is based on students aggregated performance in the internal and final examination. University follows relative/absolute grading based on 4.0 point scale in following methods. Letter grades awarded for the undergraduate level as follows:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Honor Point</th>
<th>Honor</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
<td>Excellent</td>
</tr>
<tr>
<td>A-</td>
<td>3.7</td>
<td></td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
<td>Good</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
<td></td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
<td>Fair</td>
</tr>
<tr>
<td>C-</td>
<td>1.7</td>
<td></td>
</tr>
<tr>
<td>D+</td>
<td>1.3</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
<td>*</td>
</tr>
<tr>
<td>F</td>
<td>0.0</td>
<td>Fail</td>
</tr>
</tbody>
</table>

* Work satisfying minimum requirement for credit.

- Students are required to maintain CGPA 2.0 or above out of four point scale for bachelor level.

Attendance Requirements

The students are expected to attain all lectures, tutorials and practical classes. A minimum of 80% attendance of the students in all the lectures, tutorials and practical classes is the scholastic requirement in each subject.

Extra Curricular Activities

The college management encourages students to participate in sports, National as well as International Seminars conducted by different institutions from Nepal. Also the college manages site visit or study tour related to syllabus in different industries, project, and institution of Nepal that covers the process of practical knowledge. A ten days Survey Camp and 3 days Geological Tour are managed by college. For this camp, student must pay additional amount at the time of admission. The cost towards industrial placement, food and accommodation in the study tours and all other costs shall be the responsibility of the students. But the transportation will be managed by the college in relevant tour which is mentioned in university syllabus.

Faculty Members

Most of the faculty members are selected from Nepal Engineering College, Changunarayan, Bhaktapur, which are mentioned in nec Prospectus 2017. Some visiting faculty members as well as subject experts are invited from different esteemed Engineering Colleges, IOE Pulchowk, and Kathmandu University Dhusi Khel.

Employment Prospects:

The graduates from BE Civil for Diploma Holders are expected to have high professional skills needed in infrastructural development and social services. The prospective employers of the graduates are expected to serve in numerous government, Non-Government agencies and industries.