

Employment Opportunities in the Philippines

- National Government Agricultural Engineering Service such as in DA, DAR, DENR, NIA and NFA;
- Local Government Agricultural Engineering Services– Province, Cities and Municipalities;
- Agricultural Plantations
- Agro-Industrial and Processing Firms
- Agricultural Machinery Manufacturers, Distributors and Dealers
- Agricultural Machinery Service Centers
- Constructors of Irrigation, Farm-to-Market Roads and Agri-Fishery Buildings and Structures
- Agri-based Banks i.e. LBP, DBP, UCPB
- Agri-based Cooperatives, Associations and NGOs

Employment Opportunities Abroad

- Middle East Countries (UAE, Qatar, Saudi Arabia, Oman)
- Europe
- America
- Australia
- ASEAN

Agricultural Engineer



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The **PROFESSIONALS**



Agricultural Engineer

Be the best
MAKE A DIFFERENCE

Agricultural Engineer

Agricultural Engineer or Agricultural and Biosystems Engineer is a person that is registered and licensed to practice agricultural engineering in the country. He applies engineering science and designs to the processes and systems involved in the sustainable production and post-production of safe food, feed, fiber, timber and bio-energy and management of environment and natural resources

Duties and Responsibilities

- Plans, designs, prepares and prescribes technical specifications, and manage the construction, operation and maintenance of irrigation and soil conservation systems and facilities; farm-to-market roads and other agricultural buildings and structures; agricultural, fishery and forest product machinery and equipment; renewable energy and farm electrification; and agricultural waste management facilities;
- Tests, evaluates and inspects agricultural, fishery and forest product machinery and other agricultural engineering facilities and equipment to ensure safety and its efficient operation and maintenance;
- Conducts feasibility study, research, training and extension, consultancy and marketing services on agricultural engineering projects;
- Prepares and evaluates farm development plans, farm suitability maps and land use maps/reports for agriculture, livestock, fishery and aquaculture production and processing;

- Supervise or undertake the manufacture, distribution, installation and sale of agricultural, fishery and biosystems machinery and other related agricultural and biosystems engineering facilities and equipment; and
- Train and supervise agri-fishery machinery technicians and operators of agri- fishery machinery service centers, and agricultural and biosystems engineering technicians and operators in agricultural, fishery and biosystems plants, establishments, facilities and projects

Skills and Competencies

- Able to identify, analyze and solve problems;
- Good oral and written communication skills;
- Aptitude for computing and design;
- Able to think and act decisively.
- Good at mathematics.

Cost of Education

In a public university, a course in Agricultural Engineering is approximately P3,500 per semester or a total of P35,000 for the entire five-year course. In a private institution the total cost may range between P30,000 - P40,000 per semester.

Educational Institutions that Offers BS Agricultural Engineering

LUZON: Region I – 1)Don Mariano Marcos State University, Sapilang, Bacnotan, La Union; 2)Ilocos Sur State Polytechnic College, Sta. Maria, Ilocos Sur; 3)Mariano Marcos State University, Batac City, Ilocos Norte; 4)Pangasinan State University, Sta. Maria, Pangasinan; **Cordillera Administrative Region** – 5)Benguet State University, Baguio City; 6)Kalinga-Apayao State College, Bulanao, Tabuk, Kalinga; **Region II** – 7)Cagayan State University, Carig Sur, Tuguegarao City; 8)Isabela State University, Echague, Isabela; 9)Nueva Viscaya State University, Bayombong, Nueva Viscaya; **Region III** – 10)Bataan Peninsula State University, Abucay, Bataan; 11)Bulacan Agricultural State College, Pinaod, San Ildefonso, Bulacan; 12)Central Luzon State University, Munoz, Nueva Ecija; 13)Pampanga Agricultural College, Magalang, Pampanga; 14)Ramon Magsaysay Technological University, Botolan, Zambales; 15)Tarlac College of Agriculture, Camiling, Tarlac; **Region IV-A** – 16)Cavite State University, Indang, Cavite; 17)Laguna State Polytechnic University, Sinloan, Laguna; 18)University of the Philippines, Los Banos, College, Laguna; 19)University of Rizal System, Sampaloc, Tanay, Rizal; **Region IV-B** – 20)Mindoro State College of Agriculture and Technology, Alcate, Victoria, Oriental Mindoro; 21)Romblon State University, Odiongan, Romblon; 22)Western Philippine University, Aborlan, Palawan. **Region V** – 23)Bicol University, Guinobatan, Albay; 24)Camarines Norte State College, Labo, Camarines Norte; 25)Central Bicol State University of Agriculture, Pili, Camarines Sur; 26)Dr. Emilio B. Espinosa Sr. Memorial State College of Agriculture and Technology, Cabitán, Mandaon, Masbate;

Visayas : Region VI – 27)Capiz State University, Mambusao and Pontevedra, Capiz; 28)Central Philippine University, Jaro, Iloilo City; 29)Central Philippines State University, Kabankalan City, Negros Occidental; **Region VII** – 30)Bohol Island State University, Bilar, Bohol; and **Region VIII** – 31)Eastern Samar State University, Borongan, Samar; 32)Visayas State University, Baybay City, Leyte; 33)University of Eastern Philippines, Catarman, Northern Samar;

Mindanao : Region IX – 34)Jose Rizal Memorial State University, Tampilisan, Zamboanga del Norte; 35) Western Mindanao University, Baliwasan, Zamboanga City; **Region X** – 36)Central Mindanao University, Musuan, Bukidnon; 37)Xavier University, Cagayan de Oro City; 38) Misamis University, Ozamis City; **Region XI** – 39)Southern Philippines, Agriculture, Business, Marine and Aquatic School of Technology, Digos City, Davao del Sur; 40)University of Southeastern Philippines, Tagum City, Davao del Norte; **Region XII** – 41)University of Southern Mindanao, Kabacan, Cotabato; 42)Mindanao State University, General Santos City; **Autonomous Region in Muslim Mindanao** - 43)Mindanao State University, Marawi City, Lanao del Sur; 44)Mindanao State University, Datu Odin Sinsuat, Maguindanao; and **CARAGA Region** – 45)Agusan del Sur State College of Agriculture and Technology, Bunawan, Agusan del Sur; 46)CARAGA State University, Ampayon, Butuan City, Agusan del Norte;