



Colegio de Ingenieros del Perú
Peruvian Engineers Association



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Specialization Areas in Engineering Practice

December 2021



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Civil Engineering Practice by Specialty Areas

Práctica de la Ingeniería Civil por Áreas de Especialidad

Area	Percentage
Construction	40%
Structural Design	10%
Geotechnics	12%
Hydraulics	14%
Roads	8%
Other	16%

Source: Chartered Engineers Data Bank - 2020
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Mechanical Engineering Practice by Specialty Areas

Práctica de la Ingeniería Mecánica por Áreas de Especialidad

Area	Percentage
Manufacturing	28%
Mechanical Design	22%
Power Generation	18%
Hydraulics	12%
Renewable Energies	8%
Materials	8%
Other	4%

Source: Chartered Engineers Data Bank - 2020
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Industrial Engineering Practice by Specialty Areas

Práctica de la Ingeniería Industrial por Áreas de Especialidad

Area	Percentage
Operations Management	15%
Logistics	13%
Quality Management	11%
Planning	10%
Financial and Banking	10%
Human Resources	9%
Costs and Budgets	9%
Industrial Safety	8%
Environmental Manage.	8%
Manufacturing, Materials	5%
Other	2%

Source: Chartered Engineers Data Bank - 2020
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Electrical Engineering Practice by Specialty Areas

Práctica de la Ingeniería Eléctrica por Áreas de Especialidad

Area	Percentage
Electrical Design	28%
Transmission/Distribution Lines	17%
Power Plants	15%
Electrical Machines Operations	14%
Power Electronics	12%
Renewable Energies	11%
Other	3%

Source: Chartered Engineers Data Bank - 2020
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