



UNIVERSITAS PANCASILA
PROFIL LULUSAN DAN CAPAIAN PEMBELAJARAN



UNIVERSITAS PANCASILA
PROFILE OF THE GRADUATE AND LEARNING OUTCOMES

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| <p>Fakultas : Teknik Program Studi : Teknik Mesin Jenjang : S1</p> | <p>Faculty : Engineering Study Program : Mechanical Engineering Study level : Bachelor's Degree</p> |
| <p>I. PROFIL LULUSAN</p> <p>Lulusan Program Studi Teknik Mesin S1 Universitas Pancasila memiliki Profil Lulusan sebagai berikut:</p> <ol style="list-style-type: none"> 1. Lulusan memiliki kemampuan dalam merencanakan keteknikan bidang teknik mesin. 2. Lulusan memiliki kemampuan dalam memproduksi produk keteknikan bidang industri manufaktur, serta mengelola dan mengembangkan sistem konversi energi secara efisien dan berkelanjutan. 3. Lulusan memiliki kemampuan memecahkan masalah di bidang teknik mesin dengan mengintegrasikan keahlian teknis, analitis, dan manajerial. 4. Lulusan memiliki kemampuan teknis, metodologi penelitian, analisis data, dan komunikasi ilmiah untuk pengembangan teknologi masa depan di bidang teknik mesin. <p>II. CAPAIAN PEMBELAJARAN</p> <p>A. Sikap</p> <p>Lulusan Program Studi Teknik Mesin S-1 Universitas Pancasila memiliki Sikap sebagai berikut:</p> | <p>I. GRADUATE PROFILE</p> <p>Graduates of the Mechanical Engineering Bachelor Program of Universitas Pancasila are expected to have the following graduate profiles:</p> <ol style="list-style-type: none"> 1. Graduates possess engineering competencies in the field of mechanical engineering. 2. Graduates possess the ability to produce engineering products within the manufacturing industry, as well as to manage and develop energy conversion systems in an efficient, effective, and sustainable manner. 3. Graduates possess the ability to solve problems in the field of mechanical engineering by integrating technical knowledge, analytical thinking, and managerial skills. 4. Graduates possess technical expertise, research methodology, data analysis, and scientific communication skills to support the development of future technologies in mechanical engineering. <p>II. LEARNING OUTCOMES</p> <p>A. Attitude</p> <p>Graduates of the Mechanical Engineering Department of Universitas Pancasila are expected to have the following attitudes:</p> |



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1. Membentuk insan yang beriman, bertakwa, berakhlak mulia, dan berkarakter sesuai dengan nilai-nilai Pancasila, serta menjunjung tinggi norma dan etika akademik.
2. Kemampuan memahami kebutuhan akan pembelajaran sepanjang hayat secara mandiri, termasuk akses terhadap pengetahuan terkait isu-isu keteknikan kekinian yang relevan.

1. To develop individuals who are faithful, pious, have noble character, and possess qualities in line with the values of Pancasila, as well as uphold academic norms and ethics.
2. Ability to engage in lifelong learning independently, including accessing and applying knowledge related to contemporary issues in engineering.

B. Penguasaan Pengetahuan

Lulusan Program Studi Teknik Mesin S1 Universitas Pancasila memiliki Penguasaan Pengetahuan sebagai berikut:

1. Kemampuan menerapkan pengetahuan matematika, ilmu pengetahuan alam dan/atau material, teknologi informasi, keteknikan dan rekayasa untuk mendapatkan pemahaman menyeluruh tentang prinsip-prinsip keteknikan.
2. Kemampuan mengidentifikasi, merumuskan, menganalisis dan menyelesaikan permasalahan teknik mesin secara logis, kritis dan inovatif

B. Knowledge Mastery

Graduates of the Mechanical Engineering Bachelor Program of Universitas Pancasila are expected to have the following knowledges:

1. Master the knowledge to apply mathematics, physics, and/or materials science, information technology, and engineering principles to achieve a comprehensive understanding of mechanical engineering.
2. Master the knowledge to identify, formulate, analyze, and solve problems in the field of mechanical engineering in a logical, critical, and innovative manner.

C. Keterampilan Umum

Lulusan Program Studi Teknik Mesin S1 Universitas Pancasila memiliki Keterampilan Umum sebagai berikut:

C. General Skill

Graduates of the Mechanical Engineering Bachelor Program of Universitas Pancasila are expected to have the following general skills:



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1. Kemampuan dalam bertanggung jawab dan menunjukkan kinerja yang bermutu dan terukur untuk melakukan evaluasi diri secara mandiri dan/atau berkelompok.
2. Kemampuan berkomunikasi secara efektif baik lisan maupun tulisan
3. Kemampuan merencanakan, menyelesaikan, mengevaluasi dan mengawasi tugas di dalam batasan-batasan yang ada.
4. Kemampuan untuk bertanggung jawab kepada masyarakat dan mematuhi etika profesi dalam menyelesaikan permasalahan teknik.
5. Menyusun deskripsi saintifik hasil kajian pengembangan atau implementasi teknologi dalam bentuk dokumen akademik yang adaptif, produktif, inovatif, dan kontributif dengan menjamin kesahihan dan mencegah plagiasi.

D. Keterampilan Khusus

Lulusan Program Studi Teknik Mesin S1 Universitas Pancasila memiliki Keterampilan Khusus sebagai berikut:

1. Mampu merancang komponen, sistem, proses, energi, dan pemilihan material untuk memenuhi kebutuhan teknik mesin dengan mempertimbangkan spesifikasi

1. Demonstrate the ability to take responsibility and deliver quality, measurable performance, as well as conduct self-evaluation independently and/or in groups.
2. Demonstrate the ability to communicate effectively, both orally and in writing, with diverse audiences in professional, academic, and multidisciplinary settings.
3. Demonstrate the ability to plan, execute, evaluate, and supervise engineering tasks by considering applicable constraints and limitations.
4. Demonstrate the ability to uphold professional ethics and take responsibility to society in addressing and solving technical problems.
5. Demonstrate the ability to compile scientific reports on technological development or implementation studies in the form of adaptive, productive, innovative, and contributive academic documents, while ensuring validity and avoiding plagiarism.

D. Specific Engineering Skills

Graduates of the Mechanical Engineering Bachelor Program of Universitas Pancasila are expected to have the following specific skills:

1. Ability to design to design components, systems, processes, energy solutions, and material selections to meet mechanical engineering needs by considering technical specifications, as



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| <p>teknis dan standar nasional maupun internasional sebagai implementasi teknologi berkelanjutan yang ramah lingkungan.</p> <p>2. Kemampuan mendesain dan melaksanakan eksperimen laboratorium dan/atau lapangan serta menganalisis dan mengartikan data untuk memperkuat penilaian teknik mesin.</p> <p>3. Kemampuan menerapkan metode, keterampilan dan piranti teknik yang modern yang diperlukan untuk praktek keteknikan.</p> | <p>well as national and international standards, in the implementation of environmentally friendly and sustainable technologies.</p> <p>2. Ability to design and conduct laboratory and/or field experiments, as well as to analyze and interpret data to support and enhance assessments in the field of mechanical engineering.</p> <p>3. Ability to apply modern engineering methods, skills, and tools essential for effective engineering practice.</p> |
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Jakarta, 15 Desember 2024 / Jakarta, December 15, 2024

Disetujui / Approved by

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Dibuat / Prepared by

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