

# Role of Multi-disciplinary Subjects in Current Stage: Pros and Cons

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## Abstract

At modern times knowledge has expanded beyond horizons. Learning is not confined to limited traditional subjects. Students and researchers can integrate various subjects and gain greater clarity of knowledge. Multi disciplinary subjects are a combination of more than one subject. Some of these few subjects are listed in below table.

<b><i>Multi disciplinary subjects</i></b>	<b><i>Individual subjects</i></b>
Mechatronics	Mechanical engineering, Electrical engineering, Computer engineering, Electronics engineering
Nanotechnology	Physics, Chemistry, Biology, Engineering in Chemical, Electrical, Mechanical
Environmental science	Chemistry, Geology, Physics, Economics, Sociology, Law, Ethics
Biomedical Engineering	Biology, Mathematics, Engineering in Electronics, Mechanical, Computer Science
Knowledge management	Computer science engineering, Economics, Psychology, Organizational behaviour
Materials science	Chemistry, Physics, Mechanical engineering, Chemical engineering
Urban planning	Economics, Geography, Sociology, Civil engineering
Public health	Medicine, Psychology, Sociology, Statistics

The advantages of studying multi disciplinary subjects are: holistic approach for addressing different aspects; improved effective personalized knowledge outcomes; good clarity with effective communication among scholars; optimization of resource utilization; easier handling of complex scenarios; promotes continuous learning and development of skills [1].

Some disadvantages are: communication problems as scholars come from different fields of study; coordination difficulties as scholars coming from different fields take time for grasping new concepts; takes more time for implementing newer concepts; rise of conflicts due to confusion; imbalances in team work as scholars come from different fields; complex and overwhelming in profession which are not usable for scholars from different field [1].

The disadvantages can be minimized if scholars become humble, understandable and become cool minded with eagerness in learning newer concepts/theories.

## References

1. What is a Multi-Disciplinary Team and Why Are They Important?. <https://www.theaccessgroup.com/en-gb/blog/hsc-what-is-a-multi-disciplinary-team-and-why-are-they-important/>