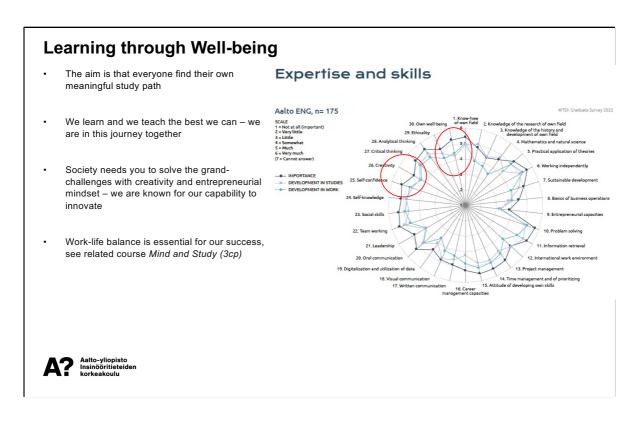


Welcome to the School of Engineering on my behalf. I am the Vice Dean for Education, Kari's right or left hand, and my task is to help the Dean and the school's students and staff in matters related to teaching.



The fact is that all of you are needed in our society. We need a diverse pool of talent.

Aalto students are known for a brand where they have the ability to be creative and bring new and truly functional solutions to our everyday environment. They are well-rounded as our graduate survey in right highlights.

For example, on the way to our campus, you will interact with several of them.

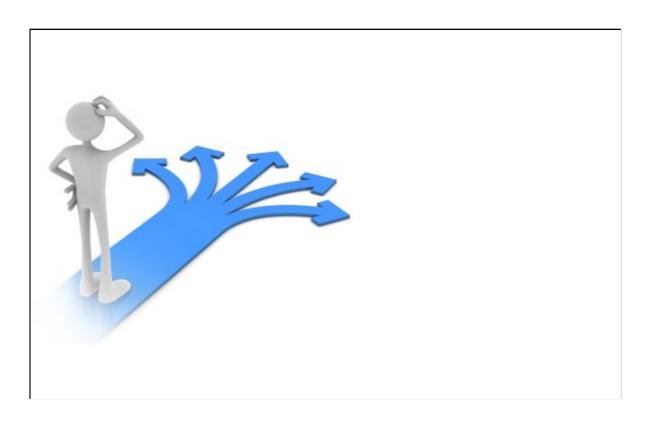
A good work-life balance is essential for our success. Therefore, these skills should be studied alongside engineering.

ENG: Structure of the degree programme portfolio Master's Programme in Nordic Master in Cold Climate Engineering Master's Programme in Mechanical Engineering Master's Programme in Geoengineering Advanced Energy Nordic Master in Environmental Engineering Solutions • Major: Energy in Major: Marine Technology Major: Product Development Master's Programme in Geoinformatics Major: Arctic Technology Major: Mechatronics Nordic Master in Innovative Sustainable Energy Buildings and Built Environments Master's Programme in Real Major: Energy o Major: Engineering Materials **Estate Economics** Nordic Master in Maritime Engineering Conversion Major: Production Engineering Major: Solid Mechanics Master's Programme in Spatial Planning and EIT Master's Programme in Environomical Pathways for Sustainable Energy Systems Master's Programme in aster's Programme in Building Transportation Engineering Urban Studies and Planning (English) Technology Major: Construction management Major: Mineral-based materials Master's Programme in Water EIT Master's Programme in Urban Mobility and Environmental Urban Studies and Planning in Real Estate Economics Engineering Major: Structural Computational Mechanics and Engineering Major: Structural Engineering EIT Master's Programme in Manufacturing Economy Major: Additive Manufacturing for Full Flexibility Master's Programme in Major: Engineering MaterialsMajor: Building Performance International Design Business Manage **European Mining Course**

When I state that our school contributes to the society at large, you can look at the number of Master's programs and majors we have. Basically, you can specialize in multiple ways and each one of you can make difference in the future.

Regardless of the program or major you select, you may phase so-called grand-challenges related to sustainability, resource-wise engineering, better products, services and processes for the future. The tools are various modeling and simulations tools, digital twins, predictive models based on AI and ML as well as advanced manufacturing methods.

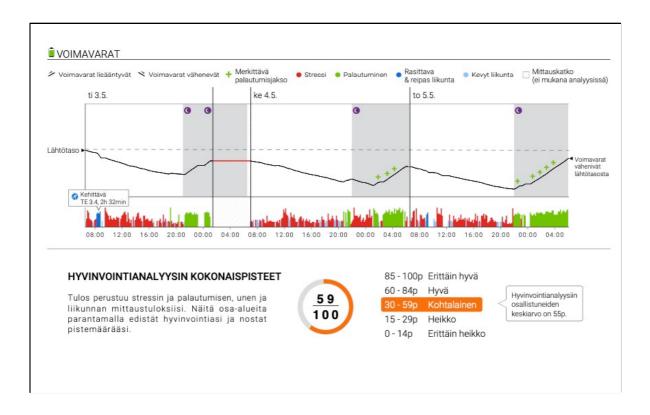
During your 2 years with us you will learn all this. With one specialization. This is a basis for employment which is our common goal.



How many people identify themselves with this picture?

These moments always come in life. They came in high school, at the B.Sc. and now you are at such a turning point, and a similar one day when you graduate with a M.Sc. (Tech.) degree.

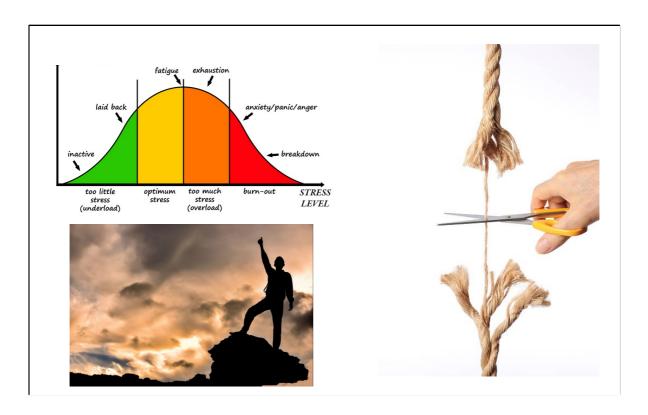
My professor once said that, on average, a M.Sc. (Tech.) retrained 8 times during his career. Learning is lifelong in technology and now the goal is to take that first degree out and learn how to learn.



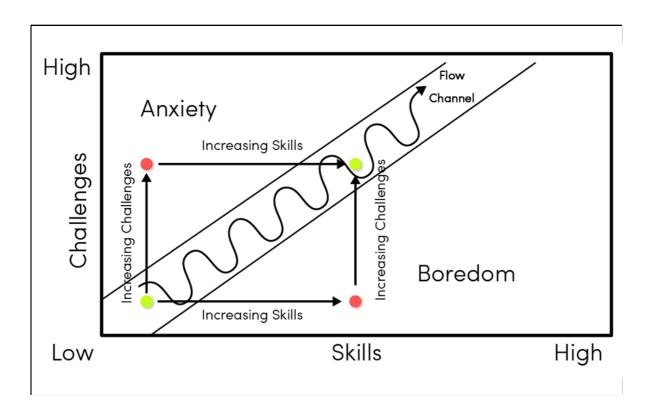
Learning is linked to your resources. There is a "battery" in a person that needs to be charged. Learning requires bandwidth and resources, and downshifting is an essential part of studies.

Here's an example of my own "charging cycle" that shows that sleep isn't enough. Exercise and food will help. There must also be meaningful activities during the day, for example. music, art, or friends to help you recover.

Time management and energy management are good to practice. Remember the calendar and identify for you those "recovery elements".



Stress is a double-edged thing. It is needed in order to develop and grow into a professional. On the other hand, if there is too much of it, there may be a burnout. Everyone has limits. It's not worth playing with this item. In the beginning, I started by describing a meaningful path. It helps a lot in your studies, because it gives you intrinsic motivation and still the drive that is often needed in studies. When the drive lasts long enough and into right direction, results are achieved.

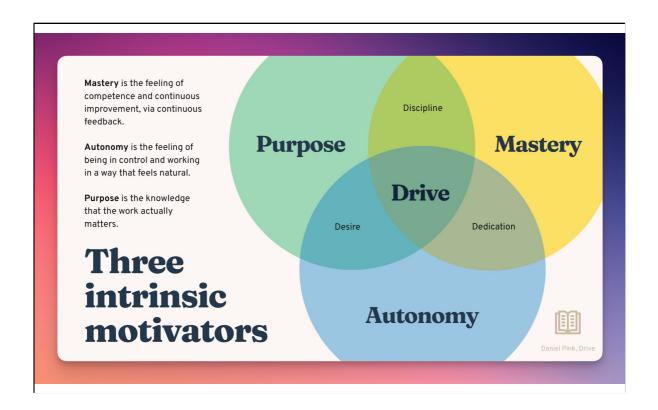


First, a little bit about the state of flow. The key here is to find a balance between your skills and challenges.

In other words, seek that balance during your studies. If the challenges are too tough in relation to skills, we easily get anxious. On the other hand, if things are too easy, we get bored easily.

I would advise you to focus on finding that balance of your own. You need this also in work life. We have easy and difficult courses. For different people, different courses can be these. For this reason, it is a good idea to discuss matters with, for example, academic advisors and fellow students. We are on this journey together.

If you get into a flow state, your studies are a really great time for the studies themselves.



About the Drive. It has three elements. Purpose, mastery and autonomy.

If you have the energy to search for your own role as an engineer in our society and develop your mastery deeply and in your own style, it will give you confidence to lead your own life as a by-product of the motivation.

So here I recommend looking for the "own thing" that drives you forward. A diploma is great, but a diploma of your own thing that you know really well, even greater.

