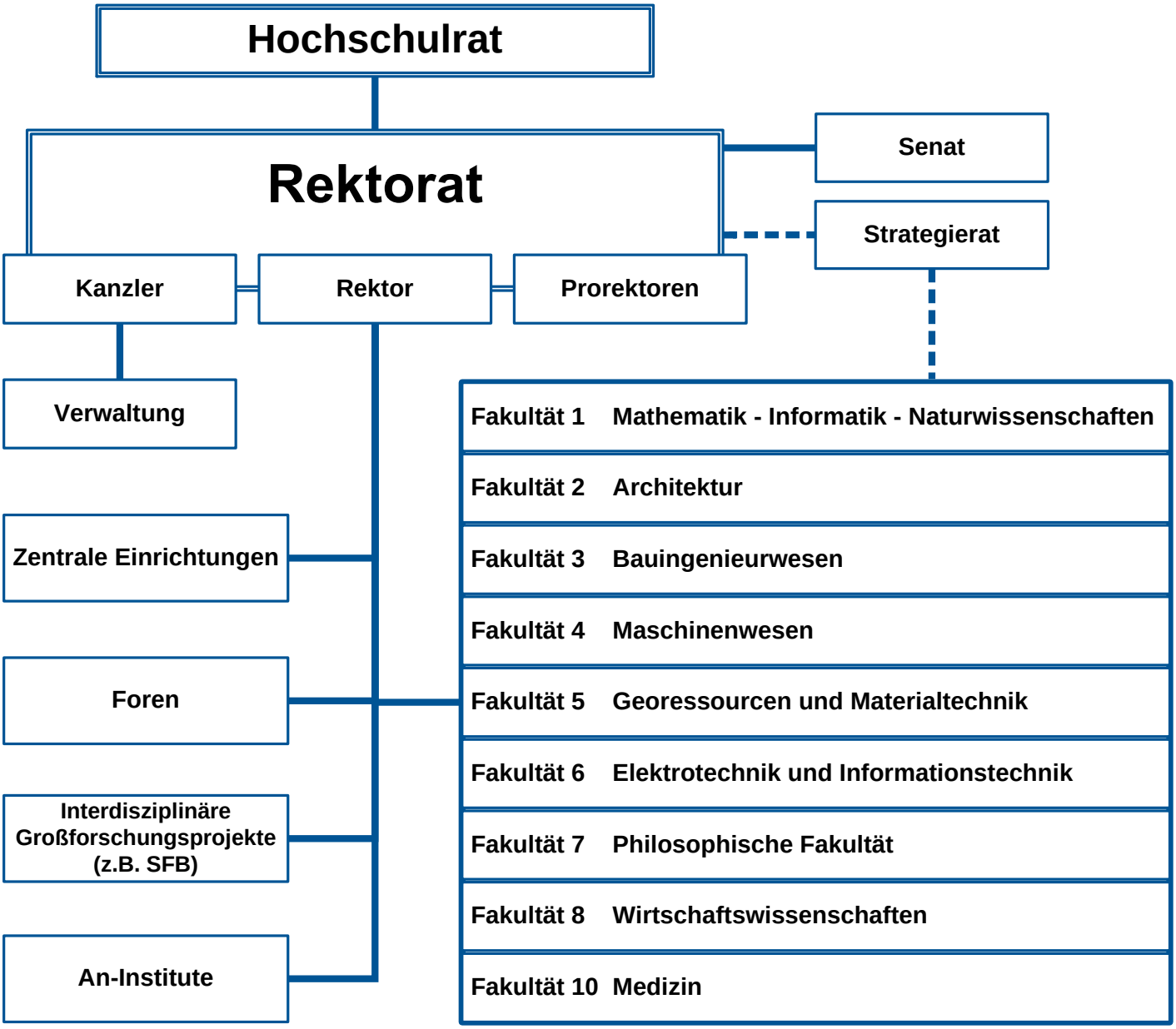RWTH AACHEN UNIVERSITY