

Preq Tech Area	Tech	Level	Item [number of dependencies]	Prereq Tech 1
Astrophysics	1 Stellar Manipulation	1	Beta Displacement Pulsar	
Astrophysics	1 Stellar Manipulation	1	Ionic Concussion Blaster	
Astrophysics	1 Stellar Manipulation	1	Monolith Facility I	
Astrophysics	1 Stellar Manipulation	2	Tectonic Bomb I	
Astrophysics	1 Stellar Manipulation	2	Matter Gravity Sphere I	
Astrophysics	1 Stellar Manipulation	2	Monolith Facility II	
Astrophysics	1 Stellar Manipulation	3	Gravitational Condenser	
Astrophysics	1 Stellar Manipulation	3	Gravitational Quantum Resonator I	
Astrophysics	1 Stellar Manipulation	3	Tectonic Bomb II	
Astrophysics	1 Stellar Manipulation	3	Matter Gravity Sphere II	
Astrophysics	1 Stellar Manipulation	3	Monolith Facility III	
Astrophysics	1 Stellar Manipulation	4	Gravitational Quantum Resonator II	
Astrophysics	1 Stellar Manipulation	4	Tectonic Bomb III	
Astrophysics	1 Stellar Manipulation	4	Matter Gravity Sphere III	
Astrophysics	1 Stellar Manipulation	5	Gravitational Quantum Resonator III	
Astrophysics	1 Stellar Manipulation	5	Stellar Plasma Sphere	
Astrophysics	1 Stellar Manipulation	5	Ring World Placement Generator	
Astrophysics	1 Stellar Manipulation	5	Planetary Gravity Plating	
Astrophysics	1 Stellar Manipulation	5	Hyper - Density Cables	
Astrophysics	1 Stellar Manipulation	6	Gravitational Quantum Resonator IV	
Astrophysics	1 Stellar Manipulation	6	Stellar Nucleonic Torpedo	
Astrophysics	1 Stellar Manipulation	6	Nebulae Graviton Emitter	
Astrophysics	1 Stellar Manipulation	6	Quantum Graviton Beam	
Astrophysics	1 Stellar Manipulation	7	Gravitational Quantum Resonator V	
Astrophysics	1 Stellar Manipulation	7	Nucleonic Thresher Torpedo	
Astrophysics	1 Stellar Manipulation	7	Inverted Quantum Beam	
Astrophysics	1 Stellar Manipulation	8	Sphere World Placement Generator	
Astrophysics	1 Stellar Harnessing	1	Solar Collector I	
Astrophysics	1 Stellar Harnessing	2	Solar Collector II	
Astrophysics	1 Stellar Harnessing	3	Solar Collector III	
Astrophysics	1 Stellar Harnessing	4	Solar Sail I	
Astrophysics	1 Stellar Harnessing	5	Solar Sail II	
Astrophysics	1 Stellar Harnessing	6	Solar Sail III	
Astrophysics	1 Tractor/Repulser Weapons	1	Repulser Beam I	
Astrophysics	1 Tractor/Repulser Weapons	2	Tractor Beam I	
Astrophysics	1 Tractor/Repulser Weapons	3	Repulser Beam II	
Astrophysics	1 Tractor/Repulser Weapons	4	Tractor Beam II	
Astrophysics	1 Tractor/Repulser Weapons	5	Repulser Beam III	
Astrophysics	1 Tractor/Repulser Weapons	6	Tractor Beam III	
Astrophysics	1 Tractor/Repulser Weapons	7	Small Graviton Beam I [2]	Smaller Weapons 1
Astrophysics	1 Tractor/Repulser Weapons	8	Small Graviton Beam II [2]	Smaller Weapons 2
Astrophysics	1 Tractor/Repulser Weapons	9	Small Graviton Beam III [2]	Smaller Weapons 3
Astrophysics	2 Gravitational Technology	1	Gravitic Sensors I	
Astrophysics	2 Gravitational Technology	2	Gravitic Sensors II	
Astrophysics	2 Gravitational Technology	3	Gravitic Sensors III	
Astrophysics	2 Gravitational Weapons	1	Graviton Hellbore I	
Astrophysics	2 Gravitational Weapons	2	Graviton Hellbore II	
Astrophysics	2 Gravitational Weapons	3	Graviton Hellbore III	
Astrophysics	2 Gravitational Weapons	4	Graviton Hellbore IV	
Astrophysics	2 Gravitational Weapons	5	Graviton Hellbore V	
Astrophysics	2 Null-Space Weapons	1	Null - Space Projector I	
Astrophysics	2 Null-Space Weapons	2	Null - Space Projector II	
Astrophysics	2 Null-Space Weapons	3	Null - Space Projector III	

Biology	1	Medical Technology	1	Medical Bay I		
Biology	1	Medical Technology	2	Medical Bay II		
Biology	1	Medical Technology	3	Medical Bay III		
Biology	1	Medical Technology	4	Medical Bay IV		
Biology	1	Medical Technology	5	Medical Bay V		
Biology	1	Biological Weapons	1	Plague Bomb I		
Biology	1	Biological Weapons	2	Plague Bomb II		
Biology	1	Biological Weapons	3	Plague Bomb III		
Biology	1	Biological Weapons	4	Plague Bomb IV		
Biology	1	Biological Weapons	5	Plague Bomb V		
Chemistry	1	Armor	1	Armor I		
Chemistry	1	Armor	1	Small Armor		
Chemistry	1	Armor	2	Armor II		
Chemistry	1	Armor	3	Armor III		
Chemistry	1	Armor	4	Emissive Armor I		
Chemistry	1	Armor	4	Small Emissive Armor		
Chemistry	1	Armor	4	Stealth Armor I		
Chemistry	1	Armor	4	Scattering Armor I		
Chemistry	1	Armor	5	Emissive Armor II		
Chemistry	1	Armor	5	Stealth Armor II		
Chemistry	1	Armor	5	Scattering Armor II		
Chemistry	1	Armor	6	Emissive Armor III		
Chemistry	1	Armor	6	Stealth Armor III		
Chemistry	1	Armor	6	Scattering Armor III		
Chemistry	2	Resource Manipulation	1	Resource Converter I		
Chemistry	2	Resource Manipulation	1	Ultra - Recycler I		
Chemistry	2	Resource Manipulation	2	Resource Converter II		
Chemistry	2	Resource Manipulation	2	Ultra - Recycler II		
Chemistry	2	Resource Manipulation	3	Resource Converter III		
Chemistry	2	Resource Manipulation	3	Ultra - Recycler III		

Construction	1	Fighters	1	Light Carrier		
Construction	1	Fighters	1	Small Fighter		
Construction	1	Fighters	1	Fighter Bay I		
Construction	1	Fighters	1	Fighter Cockpit		
Construction	1	Fighters	1	Fighter Life Support		
Construction	1	Fighters	1	Small Ion Engine [2]	Propulsion	1
Construction	1	Fighters	1	Small Depleted Uranium Cannon I [2]	Projectile Weapons	1
Construction	1	Fighters	1	Small Depleted Uranium Cannon II [2]	Projectile Weapons	2
Construction	1	Fighters	1	Small Depleted Uranium Cannon III [2]	Projectile Weapons	3
Construction	1	Fighters	1	Small Combat Sensors I [2]	Sensors	1
Construction	1	Fighters	1	Small ECM I [2]	Combat Support	1
Construction	1	Fighters	1	Afterburners I [2]	Propulsion	3
Construction	1	Fighters	2	Medium Fighter		
Construction	1	Fighters	2	Fighter Bay II		
Construction	1	Fighters	2	Small Contra - Terrene Engine [2]	Propulsion	4
Construction	1	Fighters	2	Small Combat Sensors II [2]	Sensors	2
Construction	1	Fighters	2	Small ECM II [2]	Combat Support	2
Construction	1	Fighters	2	Afterburners II [2]	Propulsion	6
Construction	1	Fighters	3	Carrier		
Construction	1	Fighters	3	Large Fighter		
Construction	1	Fighters	3	Fighter Bay III		
Construction	1	Fighters	3	Small Jacketed - Photon Engine [2]	Propulsion	7
Construction	1	Fighters	3	Small Combat Sensors III [2]	Sensors	3
Construction	1	Fighters	3	Small ECM III [2]	Combat Support	3
Construction	1	Fighters	3	Afterburners III [2]	Propulsion	9
Construction	1	Fighters	4	Small Quantum Engine [2]	Propulsion	10
Construction	1	Fighters	5	Heavy Carrier		
Construction	1	Troops	1	Small Troop		
Construction	1	Troops	1	Troop Cockpit		
Construction	1	Troops	2	Medium Troop		
Construction	1	Troops	3	Large Troop		
Construction	1	Mines	1	Small Mine		
Construction	1	Mines	1	Mine Layer I		
Construction	1	Mines	1	Mine Sweeper I		
Construction	1	Mines	2	Medium Mine		
Construction	1	Mines	2	Mine Layer II		
Construction	1	Mines	2	Mine Sweeper II		
Construction	1	Mines	3	Large Mine		
Construction	1	Mines	3	Mine Layer III		
Construction	1	Mines	3	Mine Sweeper III		
Construction	1	Mines	4	Mine Sweeper IV		
Construction	1	Mines	5	Mine Sweeper V		
Industry	1	Computers	1	Master Computer I		
Industry	1	Computers	1	Robotoid Factory I		
Industry	1	Computers	1	Central Computer Complex I		
Industry	1	Computers	1	Citizen Databank Complex I		
Industry	1	Computers	2	Master Computer II		
Industry	1	Computers	2	Robotoid Factory II		
Industry	1	Computers	2	Central Computer Complex II		
Industry	1	Computers	2	Citizen Databank Complex II		
Industry	1	Computers	3	Master Computer III		
Industry	1	Computers	3	Robotoid Factory III		
Industry	1	Computers	3	Central Computer Complex III		
Industry	1	Computers	3	Citizen Databank Complex III		
Industry	1	Computers	4	System Robotoid Factory I		
Industry	1	Computers	4	System Computer Complex I		
Industry	1	Computers	4	System Citizen Databank I		
Industry	1	Computers	5	System Robotoid Factory II		
Industry	1	Computers	5	System Computer Complex II		
Industry	1	Computers	5	System Citizen Databank II		
Industry	1	Computers	6	System Robotoid Factory III		
Industry	1	Computers	6	System Computer Complex III		
Industry	1	Computers	6	System Citizen Databank III		

Military Science	1	Combat Support	1	Multiplex Tracking (2)		
Military Science	1	Combat Support	1	ECM I		
Military Science	1	Combat Support	1	Small ECM I [2]	Fighters	1
Military Science	1	Combat Support	2	Multiplex Tracking (3)		
Military Science	1	Combat Support	2	ECM II		
Military Science	1	Combat Support	2	Small ECM II [2]	Fighters	2
Military Science	1	Combat Support	3	Multiplex Tracking (4)		
Military Science	1	Combat Support	3	ECM III		
Military Science	1	Combat Support	3	Small ECM III [2]	Fighters	3
Military Science	1	Combat Support	4	Multiplex Tracking (5)		
Military Science	1	Torpedo Weapons	1	Anti - Matter Torpedo I		
Military Science	1	Torpedo Weapons	1	Small Anti - Matter Torpedo I [2]	Smaller Weapons	1
Military Science	1	Torpedo Weapons	2	Anti - Matter Torpedo II		
Military Science	1	Torpedo Weapons	2	Small Anti - Matter Torpedo II [2]	Smaller Weapons	2
Military Science	1	Torpedo Weapons	3	Anti - Matter Torpedo III		
Military Science	1	Torpedo Weapons	3	Small Anti - Matter Torpedo III [2]	Smaller Weapons	3
Military Science	1	Torpedo Weapons	4	Anti - Matter Torpedo IV		
Military Science	1	Torpedo Weapons	5	Anti - Matter Torpedo V		
Military Science	1	Torpedo Weapons	6	Quantum Torpedo I		
Military Science	1	Torpedo Weapons	7	Quantum Torpedo II		
Military Science	1	Torpedo Weapons	8	Quantum Torpedo III		
Military Science	1	Torpedo Weapons	9	Quantum Torpedo IV		
Military Science	1	Torpedo Weapons	10	Quantum Torpedo V		
Military Science	1	Point-Defense Weapons	1	Point - Defense Cannons I		
Military Science	1	Point-Defense Weapons	2	Point - Defense Cannons II		
Military Science	1	Point-Defense Weapons	3	Point - Defense Cannons III		
Military Science	1	Point-Defense Weapons	4	Point - Defense Cannons IV		
Military Science	1	Point-Defense Weapons	5	Point - Defense Cannons V		
Military Science	2	Advanced Military Science	1	Ship Training Facility I		
Military Science	2	Advanced Military Science	1	Fleet Training Facility I		
Military Science	2	Advanced Military Science	2	Ship Training Facility II		
Military Science	2	Advanced Military Science	2	Fleet Training Facility II		
Military Science	2	Advanced Military Science	3	Ship Training Facility III		
Military Science	2	Advanced Military Science	3	Fleet Training Facility III		
Military Science	2	Advanced Military Science	4	Hyper Optics I		
Military Science	2	Advanced Military Science	5	Hyper Optics II		
Military Science	2	Advanced Military Science	6	Hyper Optics III		
Military Science	2	Weapon Overloading Weapons	1	Tachyon Projection Cannon I		
Military Science	2	Weapon Overloading Weapons	2	Tachyon Projection Cannon II		
Military Science	2	Weapon Overloading Weapons	3	Tachyon Projection Cannon III		
Military Science	2	Weapon Overloading Weapons	4	Tachyon Projection Cannon IV		
Military Science	2	Weapon Overloading Weapons	5	Tachyon Projection Cannon V		
Military Science	2	Ship Capture	1	Boarding Parties I		
Military Science	2	Ship Capture	1	Security Station I		
Military Science	2	Ship Capture	2	Boarding Parties II		
Military Science	2	Ship Capture	2	Security Station II		
Military Science	2	Ship Capture	3	Boarding Parties III		
Military Science	2	Ship Capture	3	Security Station III		
Military Science	2	Ship Capture	4	Boarding Parties IV		
Military Science	2	Ship Capture	4	Security Station IV		
Military Science	2	Ship Capture	5	Boarding Parties V		
Military Science	2	Ship Capture	5	Security Station V		

Physics	1 Shields	1	Shield Generator I		
Physics	1 Shields	2	Shield Generator II		
Physics	1 Shields	3	Shield Generator III		
Physics	1 Shields	3	Small Shield Generator I		
Physics	1 Shields	4	Shield Generator IV		
Physics	1 Shields	4	Small Shield Generator II		
Physics	1 Shields	5	Shield Generator V		
Physics	1 Shields	5	Small Shield Generator III		
Physics	1 Shields	6	Phased - Shield Generator I		
Physics	1 Shields	6	Shield Regenerator I		
Physics	1 Shields	7	Phased - Shield Generator II		
Physics	1 Shields	7	Shield Regenerator II		
Physics	1 Shields	8	Phased - Shield Generator III		
Physics	1 Shields	8	Shield Regenerator III		
Physics	1 Shields	9	Phased - Shield Generator IV		
Physics	1 Shields	9	Shield Regenerator IV		
Physics	1 Shields	9	Planetary Gravitational Shield Facility		
Physics	1 Shields	10	Phased - Shield Generator V		
Physics	1 Shields	10	Shield Regenerator V		
Physics	1 Shields	10	System Gravitational Shield Facility		
Physics	1 Sensors	1	Combat Sensors I		
Physics	1 Sensors	1	Small Combat Sensors I [2]	Fighters	1
Physics	1 Sensors	2	Combat Sensors II		
Physics	1 Sensors	2	Small Combat Sensors II [2]	Fighters	2
Physics	1 Sensors	3	Combat Sensors III		
Physics	1 Sensors	3	Small Combat Sensors III [2]	Fighters	3
Physics	1 Sensors	4	Tachyon Sensors I		
Physics	1 Sensors	5	Tachyon Sensors II		
Physics	1 Sensors	6	Tachyon Sensors III		
Physics	1 Energy Stream Weapons	1	Anti - Proton Beam I		
Physics	1 Energy Stream Weapons	1	Small Anti - Proton Beam I [2]	Smaller Weapons	1
Physics	1 Energy Stream Weapons	2	Anti - Proton Beam II		
Physics	1 Energy Stream Weapons	2	Small Anti - Proton Beam II [2]	Smaller Weapons	2
Physics	1 Energy Stream Weapons	3	Anti - Proton Beam III		
Physics	1 Energy Stream Weapons	3	Small Anti - Proton Beam III [2]	Smaller Weapons	3
Physics	1 Energy Stream Weapons	4	Anti - Proton Beam IV		
Physics	1 Energy Stream Weapons	5	Anti - Proton Beam V		
Physics	1 Energy Stream Weapons	6	Anti - Proton Beam VI		
Physics	1 Energy Stream Weapons	7	Anti - Proton Beam VII		
Physics	1 Energy Stream Weapons	8	Anti - Proton Beam VIII		
Physics	1 Energy Stream Weapons	9	Anti - Proton Beam IX		
Physics	1 Energy Stream Weapons	10	Anti - Proton Beam X		
Physics	1 Energy Stream Weapons	11	Anti - Proton Beam XI		
Physics	1 Energy Stream Weapons	12	Anti - Proton Beam XII		
Physics	1 Energy Pulse Weapons	1	Meson Blaster I		
Physics	1 Energy Pulse Weapons	1	Small Meson Blaster I [2]	Smaller Weapons	1
Physics	1 Energy Pulse Weapons	2	Meson Blaster II		
Physics	1 Energy Pulse Weapons	2	Small Meson Blaster II [2]	Smaller Weapons	2
Physics	1 Energy Pulse Weapons	3	Meson Blaster III		
Physics	1 Energy Pulse Weapons	3	Small Meson Blaster III [2]	Smaller Weapons	3
Physics	1 Energy Pulse Weapons	4	Meson Blaster IV		
Physics	1 Energy Pulse Weapons	5	Meson Blaster V		
Physics	1 Energy Pulse Weapons	6	Meson Blaster VI		
Physics	2 Scanners	1	Long Range Scanners I		
Physics	2 Scanners	2	Long Range Scanners II		
Physics	2 Scanners	2	Scanner Jammer		
Physics	2 Scanners	3	Long Range Scanners III		
Physics	2 Phased-Energy Weapons	1	Phased - Polaron Beam I		
Physics	2 Phased-Energy Weapons	1	Small Phased - Polaron Beam I [2]	Smaller Weapons	1
Physics	2 Phased-Energy Weapons	2	Phased - Polaron Beam II		
Physics	2 Phased-Energy Weapons	2	Small Phased - Polaron Beam II [2]	Smaller Weapons	2
Physics	2 Phased-Energy Weapons	3	Phased - Polaron Beam III		
Physics	2 Phased-Energy Weapons	3	Small Phased - Polaron Beam III [2]	Smaller Weapons	3
Physics	2 Phased-Energy Weapons	4	Phased - Polaron Beam IV		
Physics	2 Phased-Energy Weapons	5	Phased - Polaron Beam V		
Physics	3 Cloaking	1	Cloaking Device I		
Physics	3 Cloaking	2	Cloaking Device II		
Physics	3 Cloaking	3	Cloaking Device III		
Physics	4 Warp Weapons	1	Wormhole Beam I		
Physics	4 Warp Weapons	2	Wormhole Beam II		
Physics	4 Warp Weapons	3	Wormhole Beam III		

Planetary Engineering	1	Planet Utilization	1	Climate Control Facility I		
Planetary Engineering	1	Planet Utilization	2	Climate Control Facility II		
Planetary Engineering	1	Planet Utilization	3	Climate Control Facility III		
Planetary Engineering	1	Planet Utilization	4	Value Improvement Plant I		
Planetary Engineering	1	Planet Utilization	5	Value Improvement Plant II		
Planetary Engineering	1	Planet Utilization	6	Value Improvement Plant III		
Planetary Engineering	1	Planet Utilization	7	Atmospheric Modification Plant I		
Planetary Engineering	1	Planet Utilization	8	Atmospheric Modification Plant II		
Planetary Engineering	1	Planet Utilization	9	Atmospheric Modification Plant III		
Psychology	1	Applied Political Science	1	Urban Pacification Center I		
Psychology	1	Applied Political Science	2	Urban Pacification Center II		
Psychology	1	Applied Political Science	3	Urban Pacification Center III		

Tech	Level	Item [number of dependencies]	Prereq Tech 1	Prereq Tech 2	Prereq Tech Area	
Rock Planet Colonization	1	Rock Colony				
Ice Planet Colonization	1	Ice Colony				
Gas Giant Colonization	1	Gas Giant Colony				
Ship Construction	1	Escort				
Ship Construction	1	Colony Ship				
Ship Construction	1	Small Transport				
Ship Construction	1	Bridge				
Ship Construction	1	Life Support				
Ship Construction	1	Crew Quarters				
Ship Construction	1	Auxiliary Control				
Ship Construction	2	Frigate				
Ship Construction	3	Destroyer				
Ship Construction	4	Light Cruiser				
Ship Construction	4	Medium Transport				
Ship Construction	5	Cruiser				
Ship Construction	6	Battle Cruiser				
Ship Construction	6	Large Transport				
Ship Construction	7	Battleship				
Ship Construction	8	Dreadnought				
Ship Construction	9	Baseship				
Base Construction	1	Space Station				
Base Construction	2	Battle Station				
Base Construction	3	Starbase				
Fighters	1	Light Carrier			Construction	1
Fighters	1	Small Fighter			Construction	1
Fighters	1	Fighter Bay I			Construction	1
Fighters	1	Fighter Cockpit			Construction	1
Fighters	1	Fighter Life Support			Construction	1
Fighters	1	Small Ion Engine [2]	Propulsion	1	Construction	1
Fighters	1	Small Depleted Uranium Cannon I [2]	Projectile Weapons	1	Construction	1
Fighters	1	Small Depleted Uranium Cannon II [2]	Projectile Weapons	2	Construction	1
Fighters	1	Small Depleted Uranium Cannon III [2]	Projectile Weapons	3	Construction	1
Fighters	1	Small Combat Sensors I [2]	Sensors	1	Construction	1
Fighters	1	Small ECM I [2]	Combat Support	1	Construction	1
Fighters	1	Afterburners I [2]	Propulsion	3	Construction	1
Fighters	2	Medium Fighter			Construction	1
Fighters	2	Fighter Bay II			Construction	1
Fighters	2	Small Contra - Terrene Engine [2]	Propulsion	4	Construction	1
Fighters	2	Small Combat Sensors II [2]	Sensors	2	Construction	1
Fighters	2	Small ECM II [2]	Combat Support	2	Construction	1
Fighters	2	Afterburners II [2]	Propulsion	6	Construction	1
Fighters	3	Carrier			Construction	1
Fighters	3	Large Fighter			Construction	1
Fighters	3	Fighter Bay III			Construction	1
Fighters	3	Small Jacketed - Photon Engine [2]	Propulsion	7	Construction	1
Fighters	3	Small Combat Sensors III [2]	Sensors	3	Construction	1
Fighters	3	Small ECM III [2]	Combat Support	3	Construction	1
Fighters	3	Afterburners III [2]	Propulsion	9	Construction	1
Fighters	4	Small Quantum Engine [2]	Propulsion	10	Construction	1
Fighters	5	Heavy Carrier			Construction	1

Troops	1	Small Troop				Construction	1
Troops	1	Troop Cockpit				Construction	1
Troops	2	Medium Troop				Construction	1
Troops	3	Large Troop				Construction	1
Mines	1	Small Mine				Construction	1
Mines	1	Mine Layer I				Construction	1
Mines	1	Mine Sweeper I				Construction	1
Mines	2	Medium Mine				Construction	1
Mines	2	Mine Layer II				Construction	1
Mines	2	Mine Sweeper II				Construction	1
Mines	3	Large Mine				Construction	1
Mines	3	Mine Layer III				Construction	1
Mines	3	Mine Sweeper III				Construction	1
Mines	4	Mine Sweeper IV				Construction	1
Mines	5	Mine Sweeper V				Construction	1
Weapon Platforms	1	Small Weapons Platform					
Weapon Platforms	1	Weapons Platform Computer Core					
Weapon Platforms	2	Medium Weapons Platform					
Weapon Platforms	3	Large Weapons Platform					
Satellites	1	Small Satellite					
Satellites	1	Satellite Bay I					
Satellites	1	Satellite Computer Core					
Satellites	2	Medium Satellite					
Satellites	2	Satellite Bay II					
Satellites	3	Large Satellite					
Satellites	3	Satellite Bay III					
Space Yards	1	Space Yard I					
Space Yards	1	Space Yard Facility I					
Space Yards	2	Space Yard II					
Space Yards	2	Space Yard Facility II					
Space Yards	3	Space Yard III					
Space Yards	3	Space Yard Facility III					
Cargo	1	Cargo Bay I					
Cargo	1	Supply Storage I					
Cargo	1	Space Port					
Cargo	1	Mineral Resource Storage I					
Cargo	1	Organic Resource Storage I					
Cargo	1	Radioactive Resource Storage I					
Cargo	1	Cargo Facility I					
Cargo	2	Cargo Bay II					
Cargo	2	Supply Storage II					
Cargo	2	Mineral Resource Storage II					
Cargo	2	Organic Resource Storage II					
Cargo	2	Radioactive Resource Storage II					
Cargo	2	Cargo Facility II					
Cargo	3	Cargo Bay III					
Cargo	3	Supply Storage III					
Cargo	3	Mineral Resource Storage III					
Cargo	3	Organic Resource Storage III					
Cargo	3	Radioactive Resource Storage III					
Cargo	3	Cargo Facility III					
Repair	1	Repair Bay I					
Repair	2	Repair Bay II					



Repair	3	Repair Bay III					
Resupply	1	Resupply Depot					
Resupply	2	Emergency Resupply Pod I					
Resupply	3	Emergency Resupply Pod II					
Resupply	4	Emergency Resupply Pod III					
Resupply	5	Quantum Reactor					
Propulsion	1	Ion Engine I					
Propulsion	1	Small Ion Engine [2]	Fighters	1			
Propulsion	2	Ion Engine II					
Propulsion	3	Ion Engine III					
Propulsion	3	Self - Destruct Device					
Propulsion	3	Afterburners I [2]	Fighters	1			
Propulsion	4	Contra - Terrene Engine I					
Propulsion	4	Emergency Propulsion I					
Propulsion	4	Small Contra - Terrene Engine [2]	Fighters	2			
Propulsion	5	Contra - Terrene Engine II					
Propulsion	5	Emergency Propulsion II					
Propulsion	6	Contra - Terrene Engine III					
Propulsion	6	Emergency Propulsion III					
Propulsion	6	Afterburners II [2]	Fighters	2			
Propulsion	7	Jacketed - Photon Engine I					
Propulsion	7	Emergency Propulsion IV					
Propulsion	7	Small Jacketed - Photon Engine [2]	Fighters	3			
Propulsion	8	Jacketed - Photon Engine II					
Propulsion	8	Emergency Propulsion V					
Propulsion	9	Jacketed - Photon Engine III					
Propulsion	9	Afterburners III [2]	Fighters	3			
Propulsion	10	Quantum Engine I					
Propulsion	10	Small Quantum Engine [2]	Fighters	4			
Propulsion	11	Quantum Engine II					
Propulsion	12	Quantum Engine III					
Armor	1	Armor I				Chemistry	1
Armor	1	Small Armor				Chemistry	1
Armor	2	Armor II				Chemistry	1
Armor	3	Armor III				Chemistry	1
Armor	4	Emissive Armor I				Chemistry	1
Armor	4	Small Emissive Armor				Chemistry	1
Armor	4	Stealth Armor I				Chemistry	1
Armor	4	Scattering Armor I				Chemistry	1
Armor	5	Emissive Armor II				Chemistry	1
Armor	5	Stealth Armor II				Chemistry	1
Armor	5	Scattering Armor II				Chemistry	1
Armor	6	Emissive Armor III				Chemistry	1
Armor	6	Stealth Armor III				Chemistry	1
Armor	6	Scattering Armor III				Chemistry	1

Shields	1	Shield Generator I			Physics	1
Shields	2	Shield Generator II			Physics	1
Shields	3	Shield Generator III			Physics	1
Shields	3	Small Shield Generator I			Physics	1
Shields	4	Shield Generator IV			Physics	1
Shields	4	Small Shield Generator II			Physics	1
Shields	5	Shield Generator V			Physics	1
Shields	5	Small Shield Generator III			Physics	1
Shields	6	Phased - Shield Generator I			Physics	1
Shields	6	Shield Regenerator I			Physics	1
Shields	7	Phased - Shield Generator II			Physics	1
Shields	7	Shield Regenerator II			Physics	1
Shields	8	Phased - Shield Generator III			Physics	1
Shields	8	Shield Regenerator III			Physics	1
Shields	9	Phased - Shield Generator IV			Physics	1
Shields	9	Shield Regenerator IV			Physics	1
Shields	9	Planetary Gravitational Shield Facility			Physics	1
Shields	10	Phased - Shield Generator V			Physics	1
Shields	10	Shield Regenerator V			Physics	1
Shields	10	System Gravitational Shield Facility			Physics	1
Cloaking	1	Cloaking Device I			Physics	3
Cloaking	2	Cloaking Device II			Physics	3
Cloaking	3	Cloaking Device III			Physics	3
Sensors	1	Combat Sensors I			Physics	1
Sensors	1	Small Combat Sensors I [2]	Fighters	1	Physics	1
Sensors	2	Combat Sensors II			Physics	1
Sensors	2	Small Combat Sensors II [2]	Fighters	2	Physics	1
Sensors	3	Combat Sensors III			Physics	1
Sensors	3	Small Combat Sensors III [2]	Fighters	3	Physics	1
Sensors	4	Tachyon Sensors I			Physics	1
Sensors	5	Tachyon Sensors II			Physics	1
Sensors	6	Tachyon Sensors III			Physics	1
Scanners	1	Long Range Scanners I			Physics	2
Scanners	2	Long Range Scanners II			Physics	2
Scanners	2	Scanner Jammer			Physics	2
Scanners	3	Long Range Scanners III			Physics	2
Combat Support	1	Multiplex Tracking (2)			Military Science	1
Combat Support	1	ECM I			Military Science	1
Combat Support	1	Small ECM I [2]	Fighters	1	Military Science	1
Combat Support	2	Multiplex Tracking (3)			Military Science	1
Combat Support	2	ECM II			Military Science	1
Combat Support	2	Small ECM II [2]	Fighters	2	Military Science	1
Combat Support	3	Multiplex Tracking (4)			Military Science	1
Combat Support	3	ECM III			Military Science	1
Combat Support	3	Small ECM III [2]	Fighters	3	Military Science	1
Combat Support	4	Multiplex Tracking (5)			Military Science	1

Computers	1	Master Computer I				Industry	1
Computers	1	Robotoid Factory I				Industry	1
Computers	1	Central Computer Complex I				Industry	1
Computers	1	Citizen Databank Complex I				Industry	1
Computers	2	Master Computer II				Industry	1
Computers	2	Robotoid Factory II				Industry	1
Computers	2	Central Computer Complex II				Industry	1
Computers	2	Citizen Databank Complex II				Industry	1
Computers	3	Master Computer III				Industry	1
Computers	3	Robotoid Factory III				Industry	1
Computers	3	Central Computer Complex III				Industry	1
Computers	3	Citizen Databank Complex III				Industry	1
Computers	4	System Robotoid Factory I				Industry	1
Computers	4	System Computer Complex I				Industry	1
Computers	4	System Citizen Databank I				Industry	1
Computers	5	System Robotoid Factory II				Industry	1
Computers	5	System Computer Complex II				Industry	1
Computers	5	System Citizen Databank II				Industry	1
Computers	6	System Robotoid Factory III				Industry	1
Computers	6	System Computer Complex III				Industry	1
Computers	6	System Citizen Databank III				Industry	1
Resource Manipulation	1	Resource Converter I				Chemistry	2
Resource Manipulation	1	Ultra - Recycler I				Chemistry	2
Resource Manipulation	2	Resource Converter II				Chemistry	2
Resource Manipulation	2	Ultra - Recycler II				Chemistry	2
Resource Manipulation	3	Resource Converter III				Chemistry	2
Resource Manipulation	3	Ultra - Recycler III				Chemistry	2
Minerals Extraction	1	Robo - Miners I					
Minerals Extraction	1	Mineral Miner Facility I					
Minerals Extraction	2	Robo - Miners II					
Minerals Extraction	2	Mineral Miner Facility II					
Minerals Extraction	3	Robo - Miners III					
Minerals Extraction	3	Mineral Miner Facility III					
Minerals Extraction	4	Mineral Scanner I					
Minerals Extraction	5	Mineral Scanner II					
Minerals Extraction	6	Mineral Scanner III					
Minerals Extraction	7	System Mineral Scanner I					
Minerals Extraction	8	System Mineral Scanner II					
Minerals Extraction	9	System Mineral Scanner III					
Organics Extraction	1	Robo - Farmers I					
Organics Extraction	1	Organics Farm Facility I					
Organics Extraction	2	Robo - Farmers II					
Organics Extraction	2	Organics Farm Facility II					
Organics Extraction	3	Robo - Farmers III					
Organics Extraction	3	Organics Farm Facility III					
Organics Extraction	4	Hybrid Eco - Farms I					
Organics Extraction	5	Hybrid Eco - Farms II					
Organics Extraction	6	Hybrid Eco - Farms III					
Organics Extraction	7	System Eco - Farms I					
Organics Extraction	8	System Eco - Farms II					
Organics Extraction	9	System Eco - Farms III					
Radioactives Extraction	1	Robo - Rad Extractors I					
Radioactives Extraction	1	Radioactives Extraction Facility I					

Radioactives Extraction	2	Robo - Rad Extractors II					
Radioactives Extraction	2	Radioactives Extraction Facility II					
Radioactives Extraction	3	Robo - Rad Extractors III					
Radioactives Extraction	3	Radioactives Extraction Facility III					
Radioactives Extraction	4	Radioactives Collider I					
Radioactives Extraction	5	Radioactives Collider II					
Radioactives Extraction	6	Radioactives Collider III					
Radioactives Extraction	7	System Radioactives Collider I					
Radioactives Extraction	8	System Radioactives Collider II					
Radioactives Extraction	9	System Radioactives Collider III					
Stellar Manipulation	1	Beta Displacement Pulsar				Astrophysics	1
Stellar Manipulation	1	Ionic Concussion Blaster				Astrophysics	1
Stellar Manipulation	1	Monolith Facility I				Astrophysics	1
Stellar Manipulation	2	Tectonic Bomb I				Astrophysics	1
Stellar Manipulation	2	Matter Gravity Sphere I				Astrophysics	1
Stellar Manipulation	2	Monolith Facility II				Astrophysics	1
Stellar Manipulation	3	Gravitational Condenser				Astrophysics	1
Stellar Manipulation	3	Gravitational Quantum Resonator I				Astrophysics	1
Stellar Manipulation	3	Tectonic Bomb II				Astrophysics	1
Stellar Manipulation	3	Matter Gravity Sphere II				Astrophysics	1
Stellar Manipulation	3	Monolith Facility III				Astrophysics	1
Stellar Manipulation	4	Gravitational Quantum Resonator II				Astrophysics	1
Stellar Manipulation	4	Tectonic Bomb III				Astrophysics	1
Stellar Manipulation	4	Matter Gravity Sphere III				Astrophysics	1
Stellar Manipulation	5	Gravitational Quantum Resonator III				Astrophysics	1
Stellar Manipulation	5	Stellar Plasma Sphere				Astrophysics	1
Stellar Manipulation	5	Ring World Placement Generator				Astrophysics	1
Stellar Manipulation	5	Planetary Gravity Plating				Astrophysics	1
Stellar Manipulation	5	Hyper - Density Cables				Astrophysics	1
Stellar Manipulation	6	Gravitational Quantum Resonator IV				Astrophysics	1
Stellar Manipulation	6	Stellar Nucleonic Torpedo				Astrophysics	1
Stellar Manipulation	6	Nebulae Graviton Emitter				Astrophysics	1
Stellar Manipulation	6	Quantum Graviton Beam				Astrophysics	1
Stellar Manipulation	7	Gravitational Quantum Resonator V				Astrophysics	1
Stellar Manipulation	7	Nucleonic Thresher Torpedo				Astrophysics	1
Stellar Manipulation	7	Inverted Quantum Beam				Astrophysics	1
Stellar Manipulation	8	Sphere World Placement Generator				Astrophysics	1
Applied Research	1	Research Center I					
Applied Research	2	Research Center II					
Applied Research	3	Research Center III					

Applied Intelligence	1	Intelligence Center I					
Applied Intelligence	1	Ship Bomb					
Applied Intelligence	1	Engine Damage					
Applied Intelligence	1	Fuel Leak					
Applied Intelligence	1	Cargo Bomb					
Applied Intelligence	1	Order Snafu					
Applied Intelligence	1	Intelligence Sabotage					
Applied Intelligence	1	Counter - Intelligence Level 2					
Applied Intelligence	2	Intelligence Center II					
Applied Intelligence	2	Crew Insurrection					
Applied Intelligence	2	Crew Rotation					
Applied Intelligence	2	Force Concentrations					
Applied Intelligence	2	Queue Concentrations					
Applied Intelligence	2	Ship Blueprints					
Applied Intelligence	2	Food Contamination					
Applied Intelligence	2	Anarchy Groups					
Applied Intelligence	2	Cargo Maintenance Problems					
Applied Intelligence	2	Covert Recon					
Applied Intelligence	2	Census Thefts					
Applied Intelligence	2	Trade Disruption					
Applied Intelligence	2	Embassy Taps					
Applied Intelligence	2	Empire Star Charts					
Applied Intelligence	2	Unit Blueprints					
Applied Intelligence	2	Tech Reports					
Applied Intelligence	2	Counter - Intelligence Level 3					
Applied Intelligence	3	Intelligence Center III					
Applied Intelligence	3	Weather Disruptions					
Applied Intelligence	3	Ground Contamination					
Applied Intelligence	3	Industrial Sabotage					
Applied Intelligence	3	Economic Disruption					
Applied Intelligence	3	Resource Procurement					
Applied Intelligence	3	Technological Espionage					
Applied Intelligence	3	Technological Sabotage					
Applied Intelligence	3	Communications Taps					
Applied Intelligence	3	Communications Mimic					
Applied Intelligence	3	Communication Interceptors					
Applied Intelligence	3	Empire Archives					
Applied Intelligence	4	Puppet Political Parties					
Medical Technology	1	Medical Bay I				Biology	1
Medical Technology	2	Medical Bay II				Biology	1
Medical Technology	3	Medical Bay III				Biology	1
Medical Technology	4	Medical Bay IV				Biology	1
Medical Technology	5	Medical Bay V				Biology	1
Planet Utilization	1	Climate Control Facility I				Planetary Engineering	1
Planet Utilization	2	Climate Control Facility II				Planetary Engineering	1
Planet Utilization	3	Climate Control Facility III				Planetary Engineering	1
Planet Utilization	4	Value Improvement Plant I				Planetary Engineering	1
Planet Utilization	5	Value Improvement Plant II				Planetary Engineering	1
Planet Utilization	6	Value Improvement Plant III				Planetary Engineering	1
Planet Utilization	7	Atmospheric Modification Plant I				Planetary Engineering	1
Planet Utilization	8	Atmospheric Modification Plant II				Planetary Engineering	1
Planet Utilization	9	Atmospheric Modification Plant III				Planetary Engineering	1

Advanced Military Science	1	Ship Training Facility I				Military Science	2
Advanced Military Science	1	Fleet Training Facility I				Military Science	2
Advanced Military Science	2	Ship Training Facility II				Military Science	2
Advanced Military Science	2	Fleet Training Facility II				Military Science	2
Advanced Military Science	3	Ship Training Facility III				Military Science	2
Advanced Military Science	3	Fleet Training Facility III				Military Science	2
Advanced Military Science	4	Hyper Optics I				Military Science	2
Advanced Military Science	5	Hyper Optics II				Military Science	2
Advanced Military Science	6	Hyper Optics III				Military Science	2
Applied Political Science	1	Urban Pacification Center I				Psychology	1
Applied Political Science	2	Urban Pacification Center II				Psychology	1
Applied Political Science	3	Urban Pacification Center III				Psychology	1
Neural Computer Interface	1	Neural Combat Net				Unique Technology	
Massive Planetary Shielding	1	Massive Planetary Shield Generator				Unique Technology	
Gravitational Technology	1	Gravitic Sensors I				Astrophysics	2
Gravitational Technology	2	Gravitic Sensors II				Astrophysics	2
Gravitational Technology	3	Gravitic Sensors III				Astrophysics	2
Stellar Harnessing	1	Solar Collector I				Astrophysics	1
Stellar Harnessing	2	Solar Collector II				Astrophysics	1
Stellar Harnessing	3	Solar Collector III				Astrophysics	1
Stellar Harnessing	4	Solar Sail I				Astrophysics	1
Stellar Harnessing	5	Solar Sail II				Astrophysics	1
Stellar Harnessing	6	Solar Sail III				Astrophysics	1

<b>Weapons</b>							
Drones	1	Small Drone					
Drones	1	Drone Computer Core					
Drones	1	Drone Launcher I					
Drones	1	Anti - Ship Warhead I					
Drones	1	Anti - Planet Warhead I					
Drones	2	Medium Drone					
Drones	2	Drone Launcher II					
Drones	2	Anti - Ship Warhead II					
Drones	2	Anti - Planet Warhead II					
Drones	3	Large Drone					
Drones	3	Drone Launcher III					
Drones	3	Anti - Ship Warhead III					
Drones	3	Anti - Planet Warhead III					
Energy Stream Weapons	1	Anti - Proton Beam I				Physics	1
Energy Stream Weapons	1	Small Anti - Proton Beam I [2]	Smaller Weapons	1		Physics	1
Energy Stream Weapons	2	Anti - Proton Beam II				Physics	1
Energy Stream Weapons	2	Small Anti - Proton Beam II [2]	Smaller Weapons	2		Physics	1
Energy Stream Weapons	3	Anti - Proton Beam III				Physics	1
Energy Stream Weapons	3	Small Anti - Proton Beam III [2]	Smaller Weapons	3		Physics	1
Energy Stream Weapons	4	Anti - Proton Beam IV				Physics	1
Energy Stream Weapons	5	Anti - Proton Beam V				Physics	1
Energy Stream Weapons	6	Anti - Proton Beam VI				Physics	1
Energy Stream Weapons	7	Anti - Proton Beam VII				Physics	1
Energy Stream Weapons	8	Anti - Proton Beam VIII				Physics	1
Energy Stream Weapons	9	Anti - Proton Beam IX				Physics	1
Energy Stream Weapons	10	Anti - Proton Beam X				Physics	1
Energy Stream Weapons	11	Anti - Proton Beam XI				Physics	1
Energy Stream Weapons	12	Anti - Proton Beam XII				Physics	1
Energy Pulse Weapons	1	Meson Blaster I				Physics	1
Energy Pulse Weapons	1	Small Meson Blaster I [2]	Smaller Weapons	1		Physics	1
Energy Pulse Weapons	2	Meson Blaster II				Physics	1
Energy Pulse Weapons	2	Small Meson Blaster II [2]	Smaller Weapons	2		Physics	1
Energy Pulse Weapons	3	Meson Blaster III				Physics	1
Energy Pulse Weapons	3	Small Meson Blaster III [2]	Smaller Weapons	3		Physics	1
Energy Pulse Weapons	4	Meson Blaster IV				Physics	1
Energy Pulse Weapons	5	Meson Blaster V				Physics	1
Energy Pulse Weapons	6	Meson Blaster VI				Physics	1
Missile Weapons	1	Capital Ship Missile I					
Missile Weapons	1	Small Rocket Pods I [2]	Smaller Weapons	1			
Missile Weapons	2	Capital Ship Missile II					
Missile Weapons	2	Small Rocket Pods II [2]	Smaller Weapons	2			
Missile Weapons	3	Capital Ship Missile III					
Missile Weapons	3	Plasma Missile I					
Missile Weapons	3	Small Rocket Pods III [2]	Smaller Weapons	3			
Missile Weapons	4	Capital Ship Missile IV					
Missile Weapons	4	Plasma Missile II					
Missile Weapons	5	Capital Ship Missile V					
Missile Weapons	5	Plasma Missile III					
Missile Weapons	6	Plasma Missile IV					
Missile Weapons	7	Plasma Missile V					

Projectile Weapons	1	Depleted Uranium Cannon I					
Projectile Weapons	1	Small Depleted Uranium Cannon I [2]	Fighters	1			
Projectile Weapons	2	Depleted Uranium Cannon II					
Projectile Weapons	2	Small Depleted Uranium Cannon II [2]	Fighters	1			
Projectile Weapons	3	Depleted Uranium Cannon III					
Projectile Weapons	3	Small Depleted Uranium Cannon III [2]	Fighters	1			
Projectile Weapons	4	Depleted Uranium Cannon IV					
Projectile Weapons	5	Depleted Uranium Cannon V					
Torpedo Weapons	1	Anti - Matter Torpedo I				Military Science	1
Torpedo Weapons	1	Small Anti - Matter Torpedo I [2]	Smaller Weapons	1		Military Science	1
Torpedo Weapons	2	Anti - Matter Torpedo II				Military Science	1
Torpedo Weapons	2	Small Anti - Matter Torpedo II [2]	Smaller Weapons	2		Military Science	1
Torpedo Weapons	3	Anti - Matter Torpedo III				Military Science	1
Torpedo Weapons	3	Small Anti - Matter Torpedo III [2]	Smaller Weapons	3		Military Science	1
Torpedo Weapons	4	Anti - Matter Torpedo IV				Military Science	1
Torpedo Weapons	5	Anti - Matter Torpedo V				Military Science	1
Torpedo Weapons	6	Quantum Torpedo I				Military Science	1
Torpedo Weapons	7	Quantum Torpedo II				Military Science	1
Torpedo Weapons	8	Quantum Torpedo III				Military Science	1
Torpedo Weapons	9	Quantum Torpedo IV				Military Science	1
Torpedo Weapons	10	Quantum Torpedo V				Military Science	1
High-Energy Discharge Weapons	1	Ripper Beam I		Propulsion	7		
High-Energy Discharge Weapons	2	Ripper Beam II		Propulsion	7		
High-Energy Discharge Weapons	3	Ripper Beam III		Propulsion	7		
High-Energy Discharge Weapons	4	Ripper Beam IV		Propulsion	7		
High-Energy Discharge Weapons	5	Incinerator Beam I		Propulsion	7		
High-Energy Discharge Weapons	5	Small Incinerator Beam I [2]	Smaller Weapons	1	Propulsion	7	
High-Energy Discharge Weapons	6	Incinerator Beam II		Propulsion	7		
High-Energy Discharge Weapons	6	Small Incinerator Beam II [2]	Smaller Weapons	2	Propulsion	7	
High-Energy Discharge Weapons	7	Incinerator Beam III		Propulsion	7		
High-Energy Discharge Weapons	7	Small Incinerator Beam III [2]	Smaller Weapons	3	Propulsion	7	
High-Energy Discharge Weapons	8	Wave - Motion Gun I		Propulsion	7		
High-Energy Discharge Weapons	9	Wave - Motion Gun II		Propulsion	7		
High-Energy Discharge Weapons	10	Wave - Motion Gun III		Propulsion	7		
Phased-Energy Weapons	1	Phased - Polaron Beam I				Physics	2
Phased-Energy Weapons	1	Small Phased - Polaron Beam I [2]	Smaller Weapons	1		Physics	2
Phased-Energy Weapons	2	Phased - Polaron Beam II				Physics	2
Phased-Energy Weapons	2	Small Phased - Polaron Beam II [2]	Smaller Weapons	2		Physics	2
Phased-Energy Weapons	3	Phased - Polaron Beam III				Physics	2
Phased-Energy Weapons	3	Small Phased - Polaron Beam III [2]	Smaller Weapons	3		Physics	2
Phased-Energy Weapons	4	Phased - Polaron Beam IV				Physics	2
Phased-Energy Weapons	5	Phased - Polaron Beam V				Physics	2
Point-Defense Weapons	1	Point - Defense Cannons I				Military Science	1
Point-Defense Weapons	2	Point - Defense Cannons II				Military Science	1
Point-Defense Weapons	3	Point - Defense Cannons III				Military Science	1
Point-Defense Weapons	4	Point - Defense Cannons IV				Military Science	1
Point-Defense Weapons	5	Point - Defense Cannons V				Military Science	1



Shield Damaging Weapons	1	Shield Depleter I			Shields	4		
Shield Damaging Weapons	1	Small Shield Depleter I [2]	Smaller Weapons	1	Shields	4		
Shield Damaging Weapons	2	Shield Depleter II			Shields	4		
Shield Damaging Weapons	2	Small Shield Depleter II [2]	Smaller Weapons	2	Shields	4		
Shield Damaging Weapons	3	Shield Depleter III			Shields	4		
Shield Damaging Weapons	3	Small Shield Depleter III [2]	Smaller Weapons	3	Shields	4		
Shield Damaging Weapons	4	Shield Depleter IV			Shields	4		
Shield Damaging Weapons	5	Shield Depleter V			Shields	4		
Shield Damaging Weapons	6	Shield Disrupter I			Shields	4		
Shield Damaging Weapons	7	Shield Disrupter II			Shields	4		
Shield Damaging Weapons	8	Shield Disrupter III			Shields	4		
Shield Damaging Weapons	9	Shield Disrupter IV			Shields	4		
Shield Damaging Weapons	10	Shield Disrupter V			Shields	4		
TractorRepulser Weapons	1	Repulser Beam I					Astrophysics	1
TractorRepulser Weapons	2	Tractor Beam I					Astrophysics	1
TractorRepulser Weapons	3	Repulser Beam II					Astrophysics	1
TractorRepulser Weapons	4	Tractor Beam II					Astrophysics	1
TractorRepulser Weapons	5	Repulser Beam III					Astrophysics	1
TractorRepulser Weapons	6	Tractor Beam III					Astrophysics	1
TractorRepulser Weapons	7	Small Graviton Beam I [2]	Smaller Weapons	1			Astrophysics	1
TractorRepulser Weapons	8	Small Graviton Beam II [2]	Smaller Weapons	2			Astrophysics	1
TractorRepulser Weapons	9	Small Graviton Beam III [2]	Smaller Weapons	3			Astrophysics	1
Weapon Overloading Weapons	1	Tachyon Projection Cannon I					Military Science	2
Weapon Overloading Weapons	2	Tachyon Projection Cannon II					Military Science	2
Weapon Overloading Weapons	3	Tachyon Projection Cannon III					Military Science	2
Weapon Overloading Weapons	4	Tachyon Projection Cannon IV					Military Science	2
Weapon Overloading Weapons	5	Tachyon Projection Cannon V					Military Science	2
Engine Overloading Weapons	1	Ionic Disperser I			Propulsion	4		
Engine Overloading Weapons	2	Ionic Disperser II			Propulsion	4		
Engine Overloading Weapons	3	Ionic Disperser III			Propulsion	4		
Engine Overloading Weapons	4	Ionic Disperser IV			Propulsion	4		
Engine Overloading Weapons	5	Ionic Disperser V			Propulsion	4		
Engine Overloading Weapons	6	Ionic Pulse Missile I			Propulsion	4		
Engine Overloading Weapons	7	Ionic Pulse Missile II			Propulsion	4		
Engine Overloading Weapons	8	Ionic Pulse Missile III			Propulsion	4		
Engine Overloading Weapons	9	Ionic Pulse Missile IV			Propulsion	4		
Engine Overloading Weapons	10	Ionic Pulse Missile V			Propulsion	4		
Gravitational Weapons	1	Graviton Hellbore I					Astrophysics	2
Gravitational Weapons	2	Graviton Hellbore II					Astrophysics	2
Gravitational Weapons	3	Graviton Hellbore III					Astrophysics	2
Gravitational Weapons	4	Graviton Hellbore IV					Astrophysics	2
Gravitational Weapons	5	Graviton Hellbore V					Astrophysics	2
Warp Weapons	1	Wormhole Beam I					Physics	4
Warp Weapons	2	Wormhole Beam II					Physics	4
Warp Weapons	3	Wormhole Beam III					Physics	4
Biological Weapons	1	Plague Bomb I					Biology	1
Biological Weapons	2	Plague Bomb II					Biology	1
Biological Weapons	3	Plague Bomb III					Biology	1
Biological Weapons	4	Plague Bomb IV					Biology	1
Biological Weapons	5	Plague Bomb V					Biology	1

Planetary Weapons	1	Planetary Napalm I					
Planetary Weapons	1	Radiation Bomb I					
Planetary Weapons	1	Small Cluster Bomb I [2]	Smaller Weapons	1			
Planetary Weapons	2	Planetary Napalm II					
Planetary Weapons	2	Radiation Bomb II					
Planetary Weapons	2	Small Cluster Bomb II [2]	Smaller Weapons	2			
Planetary Weapons	3	Planetary Napalm III					
Planetary Weapons	3	Radiation Bomb III					
Planetary Weapons	3	Small Cluster Bomb III [2]	Smaller Weapons	3			
Planetary Weapons	4	Planetary Napalm IV					
Planetary Weapons	4	Radiation Bomb IV					
Planetary Weapons	5	Planetary Napalm V					
Planetary Weapons	5	Radiation Bomb V					
Planetary Weapons	6	Neutron Bomb I					
Planetary Weapons	6	Smart Bomb (RD) I					
Planetary Weapons	6	Smart Bomb (SP) I					
Planetary Weapons	7	Neutron Bomb II					
Planetary Weapons	7	Smart Bomb (RD) II					
Planetary Weapons	7	Smart Bomb (SP) II					
Planetary Weapons	8	Neutron Bomb III					
Planetary Weapons	8	Smart Bomb (RD) III					
Planetary Weapons	8	Smart Bomb (SP) III					
Planetary Weapons	9	Neutron Bomb IV					
Planetary Weapons	10	Neutron Bomb V					
Ship Capture	1	Boarding Parties I				Military Science	2
Ship Capture	1	Security Station I				Military Science	2
Ship Capture	2	Boarding Parties II				Military Science	2
Ship Capture	2	Security Station II				Military Science	2
Ship Capture	3	Boarding Parties III				Military Science	2
Ship Capture	3	Security Station III				Military Science	2
Ship Capture	4	Boarding Parties IV				Military Science	2
Ship Capture	4	Security Station IV				Military Science	2
Ship Capture	5	Boarding Parties V				Military Science	2
Ship Capture	5	Security Station V				Military Science	2
Computer Combat	1	Computer Virus I				Computers	4
Computer Combat	2	Computer Virus II				Computers	4
Computer Combat	3	Computer Virus III				Computers	4
Null-Space Weapons	1	Null - Space Projector I				Astrophysics	2
Null-Space Weapons	2	Null - Space Projector II				Astrophysics	2
Null-Space Weapons	3	Null - Space Projector III				Astrophysics	2
Troop Weapons	1	Ground Cannon I		Troops	1		
Troop Weapons	2	Ground Cannon II		Troops	1		
Troop Weapons	3	Ground Cannon III		Troops	1		
Explosive Warheads	1	Mine Warhead I					
Explosive Warheads	1	Cobalt Warhead I					
Explosive Warheads	1	Kamikaze Warhead I [2]	Smaller Weapons	1			
Explosive Warheads	2	Mine Warhead II					
Explosive Warheads	2	Cobalt Warhead II					
Explosive Warheads	2	Kamikaze Warhead II [2]	Smaller Weapons	2			
Explosive Warheads	3	Mine Warhead III					
Explosive Warheads	3	Cobalt Warhead III					
Explosive Warheads	3	Kamikaze Warhead III [2]	Smaller Weapons	3			

Smaller Weapons	1	Small Anti - Proton Beam I [2]	Energy Stream Weapons	1		
Smaller Weapons	1	Small Meson Blaster I [2]	Energy Pulse Weapons	1		
Smaller Weapons	1	Small Phased - Polaron Beam I [2]	Phased-Energy Weapons	1		
Smaller Weapons	1	Small Incinerator Beam I [2]	High-Energy Discharge Weapons	5		
Smaller Weapons	1	Small Anti - Matter Torpedo I [2]	Torpedo Weapons	1		
Smaller Weapons	1	Kamikaze Warhead I [2]	Explosive Warheads	1		
Smaller Weapons	1	Small Cluster Bomb I [2]	Planetary Weapons	1		
Smaller Weapons	1	Small Rocket Pods I [2]	Missile Weapons	1		
Smaller Weapons	1	Small Graviton Beam I [2]	Tractor\Repulser Weapons	7		
Smaller Weapons	1	Small Shield Depleter I [2]	Shield Damaging Weapons	1		
Smaller Weapons	2	Small Anti - Proton Beam II [2]	Energy Stream Weapons	2		
Smaller Weapons	2	Small Meson Blaster II [2]	Energy Pulse Weapons	2		
Smaller Weapons	2	Small Phased - Polaron Beam II [2]	Phased-Energy Weapons	2		
Smaller Weapons	2	Small Incinerator Beam II [2]	High-Energy Discharge Weapons	6		
Smaller Weapons	2	Small Anti - Matter Torpedo II [2]	Torpedo Weapons	2		
Smaller Weapons	2	Kamikaze Warhead II [2]	Explosive Warheads	2		
Smaller Weapons	2	Small Cluster Bomb II [2]	Planetary Weapons	2		
Smaller Weapons	2	Small Rocket Pods II [2]	Missile Weapons	2		
Smaller Weapons	2	Small Graviton Beam II [2]	Tractor\Repulser Weapons	8		
Smaller Weapons	2	Small Shield Depleter II [2]	Shield Damaging Weapons	2		
Smaller Weapons	3	Small Anti - Proton Beam III [2]	Energy Stream Weapons	3		
Smaller Weapons	3	Small Meson Blaster III [2]	Energy Pulse Weapons	3		
Smaller Weapons	3	Small Phased - Polaron Beam III [2]	Phased-Energy Weapons	3		
Smaller Weapons	3	Small Incinerator Beam III [2]	High-Energy Discharge Weapons	7		
Smaller Weapons	3	Small Anti - Matter Torpedo III [2]	Torpedo Weapons	3		
Smaller Weapons	3	Kamikaze Warhead III [2]	Explosive Warheads	3		
Smaller Weapons	3	Small Cluster Bomb III [2]	Planetary Weapons	3		
Smaller Weapons	3	Small Rocket Pods III [2]	Missile Weapons	3		
Smaller Weapons	3	Small Graviton Beam III [2]	Tractor\Repulser Weapons	9		
Smaller Weapons	3	Small Shield Depleter III [2]	Shield Damaging Weapons	3		
Massive Shield Depleting Weapons	1	Massive Shield Depleter				Unique Technology
Massive Engine Destroying Weapons	1	Massive Ionic Disperser				Unique Technology

Tech	Level	Item [number of dependencies]	Prereq Tech	Prereq Tech Area		
<b>Organic Manipulation</b>						
Organic Technology	1	Organic Armor I		Organic Engineering	1	
Organic Technology	1	Gestation Vats I		Organic Engineering	1	
Organic Technology	1	Medical Lab I		Organic Engineering	1	
Organic Technology	2	Organic Armor II		Organic Engineering	1	
Organic Technology	2	Gestation Vats II		Organic Engineering	1	
Organic Technology	2	Medical Lab II		Organic Engineering	1	
Organic Technology	3	Organic Armor III		Organic Engineering	1	
Organic Technology	3	Gestation Vats III		Organic Engineering	1	
Organic Technology	3	Medical Lab III		Organic Engineering	1	
Organic Technology	4	Replicant Center I		Organic Engineering	1	
Organic Technology	5	Replicant Center II		Organic Engineering	1	
Organic Technology	6	Replicant Center III		Organic Engineering	1	
Organic Weapons	1	Plasma Charge I		Organic Engineering	1	
Organic Weapons	1	Electric Discharge I		Organic Engineering	1	
Organic Weapons	1	Seeking Parasite I		Organic Engineering	1	
Organic Weapons	1	Acid Globule I		Organic Engineering	1	
Organic Weapons	1	Small Electric Discharge I [2]	Smaller Weapons	1	Organic Engineering	1
Organic Weapons	1	Small Acid Globule I [2]	Smaller Weapons	1	Organic Engineering	1
Organic Weapons	2	Plasma Charge II		Organic Engineering	1	
Organic Weapons	2	Electric Discharge II		Organic Engineering	1	
Organic Weapons	2	Seeking Parasite II		Organic Engineering	1	
Organic Weapons	2	Acid Globule II		Organic Engineering	1	
Organic Weapons	2	Small Electric Discharge II [2]	Smaller Weapons	2	Organic Engineering	1
Organic Weapons	2	Small Acid Globule II [2]	Smaller Weapons	2	Organic Engineering	1
Organic Weapons	3	Plasma Charge III		Organic Engineering	1	
Organic Weapons	3	Electric Discharge III		Organic Engineering	1	
Organic Weapons	3	Seeking Parasite III		Organic Engineering	1	
Organic Weapons	3	Acid Globule III		Organic Engineering	1	
Organic Weapons	3	Small Electric Discharge III [2]	Smaller Weapons	3	Organic Engineering	1
Organic Weapons	3	Small Acid Globule III [2]	Smaller Weapons	3	Organic Engineering	1
Organic Weapons	4	Plasma Charge IV		Organic Engineering	1	
Organic Weapons	4	Lightning Ray I		Organic Engineering	1	
Organic Weapons	4	Seeking Parasite IV		Organic Engineering	1	
Organic Weapons	4	Acid Globule IV		Organic Engineering	1	
Organic Weapons	5	Plasma Charge V		Organic Engineering	1	
Organic Weapons	5	Lightning Ray II		Organic Engineering	1	
Organic Weapons	5	Seeking Parasite V		Organic Engineering	1	
Organic Weapons	5	Acid Globule V		Organic Engineering	1	
Organic Weapons	6	Hyper - Plasma Bolt I		Organic Engineering	1	
Organic Weapons	6	Lightning Ray III		Organic Engineering	1	
Organic Weapons	6	Enveloping Acid Globule I		Organic Engineering	1	
Organic Weapons	7	Hyper - Plasma Bolt II		Organic Engineering	1	
Organic Weapons	7	Enveloping Acid Globule II		Organic Engineering	1	
Organic Weapons	8	Hyper - Plasma Bolt III		Organic Engineering	1	
Organic Weapons	8	Enveloping Acid Globule III		Organic Engineering	1	
Organic Weapons	9	Hyper - Plasma Bolt IV		Organic Engineering	1	
Organic Weapons	9	Enveloping Acid Globule IV		Organic Engineering	1	
Organic Weapons	10	Hyper - Plasma Bolt V		Organic Engineering	1	
Organic Weapons	10	Enveloping Acid Globule V		Organic Engineering	1	

<b>Psychic</b>					
Psychic Technology	1	Psychic Receptors I			Psychic Studies 1
Psychic Technology	1	Psychic Ship Training Facility I			Psychic Studies 1
Psychic Technology	1	Psychic Fleet Training Facility I			Psychic Studies 1
Psychic Technology	2	Psychic Receptors II			Psychic Studies 1
Psychic Technology	2	Psychic Ship Training Facility II			Psychic Studies 1
Psychic Technology	2	Psychic Fleet Training Facility II			Psychic Studies 1
Psychic Technology	3	Psychic Receptors III			Psychic Studies 1
Psychic Technology	3	Psychic Ship Training Facility III			Psychic Studies 1
Psychic Technology	3	Psychic Fleet Training Facility III			Psychic Studies 1
Psychic Technology	4	Psychic Scanner I			Psychic Studies 1
Psychic Technology	5	Psychic Scanner II			Psychic Studies 1
Psychic Technology	6	Psychic Scanner III			Psychic Studies 1
Psychic Weapons	1	Telekinetic Projector I			Psychic Studies 2
Psychic Weapons	1	Mental Flailer I			Psychic Studies 2
Psychic Weapons	1	Small Telekinetic Projector I [2]	Smaller Weapons	1	Psychic Studies 2
Psychic Weapons	2	Telekinetic Projector II			Psychic Studies 2
Psychic Weapons	2	Mental Flailer II			Psychic Studies 2
Psychic Weapons	2	Small Telekinetic Projector II [2]	Smaller Weapons	2	Psychic Studies 2
Psychic Weapons	3	Telekinetic Projector III			Psychic Studies 2
Psychic Weapons	3	Mental Flailer III			Psychic Studies 2
Psychic Weapons	3	Small Telekinetic Projector III [2]	Smaller Weapons	3	Psychic Studies 2
Psychic Weapons	4	Telekinetic Projector IV			Psychic Studies 2
Psychic Weapons	4	Allegiance Subverter I			Psychic Studies 2
Psychic Weapons	4	Mental Singularity Generator I			Psychic Studies 2
Psychic Weapons	5	Telekinetic Projector V			Psychic Studies 2
Psychic Weapons	5	Allegiance Subverter II			Psychic Studies 2
Psychic Weapons	5	Mental Singularity Generator II			Psychic Studies 2
Psychic Weapons	6	Allegiance Subverter III			Psychic Studies 2
Psychic Weapons	6	Mental Singularity Generator III			Psychic Studies 2
<b>Deeply Religious</b>					
Religious Technology	1	War Shrine I			Religious Studies 1
Religious Technology	1	Death Shrine I			Religious Studies 1
Religious Technology	1	Time Shrine I			Religious Studies 1
Religious Technology	1	Nature Shrine I			Religious Studies 1
Religious Technology	1	Fate Shrine I			Religious Studies 1
Religious Technology	2	War Shrine II			Religious Studies 1
Religious Technology	2	Death Shrine II			Religious Studies 1
Religious Technology	2	Time Shrine II			Religious Studies 1
Religious Technology	2	Nature Shrine II			Religious Studies 1
Religious Technology	2	Fate Shrine II			Religious Studies 1
Religious Technology	3	War Shrine III			Religious Studies 1
Religious Technology	3	Death Shrine III			Religious Studies 1
Religious Technology	3	Time Shrine III			Religious Studies 1
Religious Technology	3	Nature Shrine III			Religious Studies 1
Religious Technology	3	Fate Shrine III			Religious Studies 1
Religious Technology	4	Religious Talisman			Religious Studies 1

<b>Temporal Knowledge</b>					
Temporal Technology	1	Temporal Sensors I			Temporal Studies 1
Temporal Technology	1	Events Predictor I			Temporal Studies 1
Temporal Technology	1	Temporal Vacation Service I			Temporal Studies 1
Temporal Technology	2	Temporal Sensors II			Temporal Studies 1
Temporal Technology	2	Events Predictor II			Temporal Studies 1
Temporal Technology	2	Temporal Vacation Service II			Temporal Studies 1
Temporal Technology	3	Temporal Sensors III			Temporal Studies 1
Temporal Technology	3	Events Predictor III			Temporal Studies 1
Temporal Technology	3	Temporal Vacation Service III			Temporal Studies 1
Temporal Technology	4	Temporal Space Yard Facility I			Temporal Studies 1
Temporal Technology	5	Temporal Space Yard Facility II			Temporal Studies 1
Temporal Technology	6	Temporal Space Yard Facility III			Temporal Studies 1
Temporal Weapons	1	Time Distortion Burst I			Temporal Studies 2
Temporal Weapons	1	Temporal Shifter I			Temporal Studies 2
Temporal Weapons	1	Small Time Distortion Burst I [2]	Smaller Weapons	1	Temporal Studies 2
Temporal Weapons	2	Time Distortion Burst II			Temporal Studies 2
Temporal Weapons	2	Temporal Shifter II			Temporal Studies 2
Temporal Weapons	2	Small Time Distortion Burst II [2]	Smaller Weapons	2	Temporal Studies 2
Temporal Weapons	3	Time Distortion Burst III			Temporal Studies 2
Temporal Weapons	3	Temporal Shifter III			Temporal Studies 2
Temporal Weapons	3	Small Time Distortion Burst III [2]	Smaller Weapons	3	Temporal Studies 2
Temporal Weapons	3	Shield Accelerator I			Temporal Studies 2
Temporal Weapons	3	Tachyon Cannon I			Temporal Studies 2
Temporal Weapons	4	Time Distortion Burst IV			Temporal Studies 2
Temporal Weapons	4	Shield Accelerator II			Temporal Studies 2
Temporal Weapons	4	Tachyon Cannon II			Temporal Studies 2
Temporal Weapons	5	Time Distortion Burst V			Temporal Studies 2
Temporal Weapons	5	Shield Accelerator III			Temporal Studies 2
Temporal Weapons	5	Tachyon Cannon III			Temporal Studies 2
Temporal Weapons	6	Shield Accelerator IV			Temporal Studies 2
Temporal Weapons	7	Shield Accelerator V			Temporal Studies 2

<b>Crystallurgy</b>					
Crystalline Technology	1	Crystalline Armor I			Crystallurgy 1
Crystalline Technology	1	Crystalline Restructuring Plant I			Crystallurgy 1
Crystalline Technology	1	Energy Transmission Lens I			Crystallurgy 1
Crystalline Technology	2	Crystalline Armor II			Crystallurgy 1
Crystalline Technology	2	Crystalline Restructuring Plant II			Crystallurgy 1
Crystalline Technology	2	Energy Transmission Lens II			Crystallurgy 1
Crystalline Technology	3	Crystalline Armor III			Crystallurgy 1
Crystalline Technology	3	Crystalline Restructuring Plant III			Crystallurgy 1
Crystalline Technology	3	Energy Transmission Lens III			Crystallurgy 1
Crystalline Technology	4	Solar Generator I			Crystallurgy 1
Crystalline Technology	5	Solar Generator II			Crystallurgy 1
Crystalline Technology	6	Solar Generator III			Crystallurgy 1
Crystalline Weapons	1	Shard Cannon I			Crystallurgy 1
Crystalline Weapons	1	Small Shard Cannon I [2]	Smaller Weapons	1	Crystallurgy 1
Crystalline Weapons	1	Crystalline Torpedo I			Crystallurgy 1
Crystalline Weapons	2	Shard Cannon II	Smaller Weapons	2	Crystallurgy 1
Crystalline Weapons	2	Small Shard Cannon II [2]			Crystallurgy 1
Crystalline Weapons	2	Crystalline Torpedo II			Crystallurgy 1
Crystalline Weapons	3	Shard Cannon III			Crystallurgy 1
Crystalline Weapons	3	Small Shard Cannon III [2]	Smaller Weapons	3	Crystallurgy 1
Crystalline Weapons	3	Crystalline Torpedo III			Crystallurgy 1
Crystalline Weapons	4	Shard Cannon IV			Crystallurgy 1
Crystalline Weapons	4	Crystalline Torpedo IV			Crystallurgy 1
Crystalline Weapons	5	Shard Cannon V			Crystallurgy 1
Crystalline Weapons	5	Crystalline Torpedo V			Crystallurgy 1
Crystalline Weapons	6	Shard Cannon VI			Crystallurgy 1
Crystalline Weapons	6	Energy Dampener I			Crystallurgy 1
Crystalline Weapons	7	Shard Cannon VII			Crystallurgy 1
Crystalline Weapons	7	Energy Dampener II			Crystallurgy 1
Crystalline Weapons	8	Shard Cannon VIII			Crystallurgy 1
Crystalline Weapons	8	High - Energy Magnifier I			Crystallurgy 1
Crystalline Weapons	8	Energy Dampener III			Crystallurgy 1
Crystalline Weapons	9	Shard Cannon IX			Crystallurgy 1
Crystalline Weapons	9	High - Energy Magnifier II			Crystallurgy 1
Crystalline Weapons	10	Shard Cannon X			Crystallurgy 1
Crystalline Weapons	10	High - Energy Magnifier III			Crystallurgy 1