

Lichtenbergschule-Gymnasium

Darmstadt, Germany

Hesse European School

ADMINISTRATION

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SCHOOL PROFILE



ACADEMIC DIRECTORS

Languages and Fine Arts:
Adelheid Brink-Schultz

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Mathematics, Computer Science,
Natural Sciences, and Technology:
Wilfried Krug-Kübler

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The Lichtenbergschule-Gymnasium (or LuO, for short) offers a rigorous academic environment for grades 5 through 12. Students graduate with an Abitur, the highest German high school diploma, equivalent to the first year of college in the US. LuO serves the Darmstadt community, located in the southern part of the Frankfurt metropolitan area. Darmstadt is known as the "City of Science" with many local high-tech organizations, including the European Space Operations Centre and the European Organisation for the Exploitation of Meteorological Satellites. The student body is from a wide range of socioeconomic and cultural backgrounds; more than 20 nationalities are represented among the 1,250 students. The current graduating class has 146 students.

Curriculum Overview

LuO specializes in the sciences, mathematics, languages, social studies, and fine arts. LuO also offers a German-English bilingual track to students who are selected based on their academic record. There are 120 teachers on staff, resulting in a student-teacher ratio of 10:1.

Special Initiatives

LuO is a 'Europaschule des Landes Hessen' (or Hesse European School). This designation, sponsored by the State's ministry of culture, advances Europe-wide competencies, emphasizing intercultural and language skills.

LuO is also a MINT-EC school (**M**ath, **I**nformation **T**echnology, **N**atural Sciences and **T**echnology - **E**xcellence **C**enter), part of a Germany-wide initiative to promote science.

International Activities

LuO participates in the Comenius programme, a European Union educational project encouraging understanding of European cultures, languages, and values.

Many LuO students and faculty take part in exchange programs with France, Russia, Scotland, and the US. LuO also supports exchanges across the world, primarily through AFS, YFU and United World Colleges.

LuO also participates in Highlights for High School with the Massachusetts Institute of Technology and in the Business@School program sponsored by the Boston Consulting Group.

Academic Program

Students are accepted at LuO following a review of their record and based on a referral provided by their elementary school. LuO is a Gymnasium, the most rigorous of Germany's three secondary school tracks. Students enter secondary school in the 5th grade and the bilingual program begins in the 7th grade.

The 'Oberstufe' or senior high school begins in the 10th grade which is composed of two introductory semesters. In 11th and 12th grade, there are a total of four Qualification (or Q) semesters. These Q phases prepare students for the state-wide final examinations.

Internships

Students are responsible for completing two internships. In 9th grade, they complete a one-week local internship working either with young children or the elderly (previously this was a two-week internship in a work-related setting). In 11th grade, they complete a two-week internship in a professional setting of their choice (including locations outside of Darmstadt).

Grading

Through grade 9, the grading system is on a 6-point scale (with 1 being the highest mark and 6 being the lowest). Beginning in the 10th grade, marks are on a 15-point scale (with 0 being the lowest mark and 15 being the highest mark; 5 or higher indicates a passing grade). GPAs are not calculated, and LuO does not provide rankings.

Academic Requirements

| Subject/Grade | 9th | 10th | 11 th | 12th |
|--|---|---|---|---|
| German ¹ | German | German | German | A German A |
| Mathematics ¹ | Mathematics | Mathematics | Mathematics | A Mathematics A |
| Natural Sciences | Biology | Biology | Biology, | A Biology, A |
| | Chemistry | Chemistry | Chemistry or | A Chemistry or A |
| | Physics | Physics | Physics | A Physics A |
| | | Computer Science (o) | Computer Science (o) | Computer Science (o) |
| Social Sciences ¹ | History | History | History | A History A |
| | Political Sci | Political Sci | Poli Sci (o) | A Poli Sci (o) A |
| First Foreign Language ¹ | English | English | English | A English A |
| Second Foreign Language | French, Spanish, Latin, or Russian | French, Spanish, Latin, or Russian | French, Spanish, Latin, or Russian | A French, Spanish, Latin, or Russian (o) A |
| Third Foreign Language, Computer Science or other elective | Fr, Sp, L, Ru, Portuguese, Hungarian or Chinese (o) | Fr, Sp, L, Ru, Portuguese, Hungarian or Chinese (o) | Fr, Sp, L, Ru, Portuguese, Hungarian or Chinese (o) | Fr, Sp, L, Ru, Portuguese, Hungarian or Chinese (o) |
| Fine Arts | Music | Art, Music or Theater | Art Music or Theater | A Art, Music or Theater (o) A |
| Religion / Ethics ¹ | Religious Studies or Ethics | Religious Studies or Ethics | Religious Studies or Ethics | Religious Studies or Ethics |
| Sport ¹ | Sport | Sport | Sport | Sport |

'A' designates advanced field of study (standard courses are also offered). Two advanced fields of study have to be completed for the Abitur. 'O' designates an elective.

¹Required each semester during all 4 years

| Abitur Results | Selected University Attendance (2010-2013) | |
|---|---|--|
| <p>Abitur results from the Class of 2013 averaged 2.27 out of 6.0 (1.0 is the highest score). The average score of all Gymnasiums in Hesse was 2.42, making LuO's score 0.15 above the state average. Last year, 97% of LuO students passed the Abitur.</p> <p>Abitur scores reflect written and oral final examinations and a weighted sum of academic grades from the Q phase. During the Q phase, students select two advanced courses of study (known as 'Leistungskurse'). Students are not permitted to select more than two advanced courses of study.</p> | <p>Within Germany</p> <ul style="list-style-type: none"> Charité – Medical University European Business School Free University of Berlin Frankfurt School of Finance and Management Goethe University of Frankfurt Heidelberg University Heinrich Heine University, Düsseldorf Humboldt University Jacobs University Karlsruhe Institute of Technology Ludwig Maximilian University of Munich Technical University of Berlin Technical University of Darmstadt Technical University of Munich University of Bonn University of Cologne University of Düsseldorf University of Erlangen-Nuremberg University of Giessen University of Göttingen University of Hamburg University of Hannover University of Konstanz University of Leipzig University of Mainz/Film School University of Mannheim University of Marburg University of Würzburg | <p>Outside Germany</p> <ul style="list-style-type: none"> Brown University ETH Zurich Eindhoven University of Technology Heriot Watt University, Edinburgh King's College London University of California, San Diego KTH-Royal Institute of Technology, Stockholm Mahidol University, Bangkok Northern Arizona University, Flagstaff Shanghai University University of Aberdeen University of Barcelona University of Basel University of Bath University of La Réunion University of Nottingham University of Sussex University of Virginia University of York Vienna University of Economics and Business |
| <p>Graduation</p> <p>Following graduation, LuO students attend university or complete advanced training programs as part of an apprenticeship (or "Ausbildung").</p> <p>Note that LuO, like other German public schools, does not systematically track university matriculation of alumni.</p> | | |